

ANSI/NIST-ITL 2015 XML Mapping Document

Color Key

New field to A/N 2015
Field edited in A/N 2015

Column Description

Field ID Field number identification
Mnemonic Mnemonic for field
Min Minimum occurrence count allowed for field
Max Maximum occurrence count allowed for field
XML Parent XML parent for the XML element
XML Element XML element for that field
Notes Other notes which apply to the field (e.g., footnotes from previous Annex G documents)

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
		1	1		itl:NISTBiometricInformationExchangePackage	
1		1	1		itl:PackageInformationRecord	
1.001	XRCC	1	1	itl:PackageInformationRecord/	biom:RecordCategoryCode	
1.002_1.017		1	1	itl:PackageInformationRecord/	biom:Transaction	
1.002	VER	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionMajorVersionValue	This element contains the first 2 characters of Field 1.002 Version number / VER. Leading zero may be omitted.
1.002	VER	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionMinorVersionValue	This element contains the last 2 characters of Field 1.002 Version number / VER. Leading zero may be omitted.
1.003	CNT	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionContentSummary	
1.003-A	FRC	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionContentSummary/	biom:ContentFirstRecordCategoryCode	
1.003-B	CRC	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionContentSummary/	biom:ContentRecordQuantity	
1.003-C_1.003-D		1	*	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionContentSummary/	biom:ContentRecordSummary	This element repeats for each subfield of Field 1.003 Transaction content / CNT after the first one.
1.003-C	REC	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionContentSummary/ biom:ContentRecordSummary/	biom:RecordCategoryCode	
1.003-D	IDC	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionContentSummary/ biom:ContentRecordSummary/	biom:ImageReferenceIdentification/ nc:IdentificationID	
1.004	TOT	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionCategory	This element is abstract and must be substituted either with biom:TransactionCategoryCode or a user-defined element that is in the substitution group of biom:TransactionCategory.
1.005	DAT	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionDate/ nc:Date	
1.006	PRY	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionPriorityValue	
1.007_1.017-A		1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionDestinationOrganization	
1.007	DAI	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionDestinationOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
1.008_1.017-B		1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionOriginatingOrganization	
1.008	ORI	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionOriginatingOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
1.009	TCN	1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionControlIdentification/ nc:IdentificationID	
1.010	TCR	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionControlReferenceIdentification/ nc:IdentificationID	
1.011_1.012		1	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionImageResolutionDetails	
1.011	NSR	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionImageResolutionDetails/	biom:NativeScanningResolutionValue	
1.012	NTR	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionImageResolutionDetails/	biom:NominalTransmittingResolutionValue	
1.013	DOM	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionDomain	
1.013-A	DNM	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionDomain/	biom:TransactionDomainName	

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1.013-B	DVN	0	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionDomain/	biom:DomainVersionNumberIdentification/ nc:identificationID	
1.014	GMT	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionUTCDate/ nc:DateTime	
1.015	DCS	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionCharacterSetDirectory	
1.015-A	CSI	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionCharacterSetDirectory/	biom:CharacterSetIndexCode	
1.015-B	CSN	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionCharacterSetDirectory/	biom:CharacterSetCommonNameCode	
1.015-C	CSV	0	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionCharacterSetDirectory/	biom:CharacterSetVersionIdentification/ nc:identificationID	
1.016	APS	0	99	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionApplicationProfile	
1.016-A	APO	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionApplicationProfile/	biom:ApplicationProfileOrganizationName	
1.016-B	APN	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionApplicationProfile/	biom:ApplicationProfileName	
1.016-C	APV	1	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionApplicationProfile/	biom:ApplicationProfileVersionIdentification/ nc:identificationID	
1.017-A	DAN	0	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionDestinationOrganization/	nc:OrganizationName	
1.017-B	OAN	0	1	itl:PackageInformationRecord/ biom:Transaction/ biom:TransactionOriginatingOrganization/	nc:OrganizationName	
1.018	GNS	0	1	itl:PackageInformationRecord/ biom:Transaction/	biom:TransactionGeographicNameSetCode	This is a new field for 2013
2		0	*		Itl:PackageDescriptiveTextRecord	
2.001	XRCC	1	1	itl:PackageDescriptiveTextRecord/	biom:RecordCategoryCode	
2.002	IDC	1	1	itl:PackageDescriptiveTextRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
2.003_2_999		0	1	itl:PackageDescriptiveTextRecord/	Itl:UserDefinedDescriptiveDetail	
2.003_2_999	UDF	1	1	itl:PackageDescriptiveTextRecord/ Itl:UserDefinedDescriptiveDetail/	Itl:DomainDefinedDescriptiveDetail	This element is abstract and must be substituted with a user-defined element.
2.003_2_999	UDF	0	*	itl:PackageDescriptiveTextRecord/ Itl:UserDefinedDescriptiveDetail/	Itl:OtherDescriptiveDetail	This element is abstract and must be substituted with a user-defined element.
4		0	*		Itl:PackageHighResolutionGrayscaleImageRecord	
4.001	XRCC	1	1	itl:PackageHighResolutionGrayscaleImageRecord/	biom:RecordCategoryCode	
4.002	IDC	1	1	itl:PackageHighResolutionGrayscaleImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
4.003_4_009		1	1	itl:PackageHighResolutionGrayscaleImageRecord/	biom:FingerPrintImage	
4.003	IMP	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/	biom:FingerPrintImageImpressionCaptureCategoryCode	
4.004	FGP	1	6	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/ biom:FingerPrintImagePosition/	biom:FingerPositionCode	
4.005	ISR	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/ biom:ImageCaptureDetail/	biom:CaptureResolutionCode	
4.006	HLL	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/	biom:ImageHorizontalLineLengthPixelQuantity	
4.007	VLL	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/	biom:ImageVerticalLineLengthPixelQuantity	
4.008	CGA	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/	biom:ImageCompressionAlgorithmCode	
4.009	DATA	1	1	itl:PackageHighResolutionGrayscaleImageRecord/ biom:FingerPrintImage/	nc:BinaryBase64Object	
7		0	*		Itl:PackageUserDefinedImageRecord	
7.001	XRCC	1	1	itl:PackageUserDefinedImageRecord/	biom:RecordCategoryCode	
7.002	IDC	1	1	itl:PackageUserDefinedImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
7.003+		0	1	itl:PackageUserDefinedImageRecord/	biom:BiometricImage	This element is abstract. Implementations may use any element substitutable for biom:BiometricImage or a user-defined element that is in the substitution group of Itl:UserDefinedImage.
8		0	*		Itl:PackageSignatureImageRecord	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
8.001	XRCC	1	1	itl:PackageSignatureImageRecord/	biom:RecordCategoryCode	
8.002	IDC	1	1	itl:PackageSignatureImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
8.003_8.008		1	1	itl:PackageSignatureImageRecord/	biom:SignatureImage	
8.003	SIG	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	biom:SignatureCategoryCode	
8.004	SRT	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	biom:SignatureRepresentationCode	
8.005	ISR	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/ biom:ImageCaptureDetail/	biom:CaptureResolutionCode	
8.006	HLL	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	biom:ImageHorizontalLineLengthPixelQuantity	
8.007	VLL	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	biom:ImageVerticalLineLengthPixelQuantity	
8.008	DATA	0	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	nc:BinaryBase64Object	If the SRT field is "0" or "1", this element is mandatory; otherwise it shall not appear.
8.008	DATA	0	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/	biom:SignatureImageVectorRepresentation	If the SRT field contains the value of "2", this element is mandatory; otherwise it shall not appear.
8.008	DATA	2	*	itl:PackageSignatureImageRecord/ biom:SignatureImage/ biom:SignatureImageVectorRepresentation/	biom:SignatureImageVector	Each occurrence of this element represents a single vector in the list, as specified in the description of Field 8.008: Signature image data / DATA.
8.008	DATA	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/ biom:SignatureImageVectorRepresentation/ biom:SignatureImageVector/	biom:VectorPenPressureValue	The pen pressure value of line segments within the signature, as specified in the description of Field 8.008: Signature image data / DATA.
8.008	DATA	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/ biom:SignatureImageVectorRepresentation/ biom:SignatureImageVector/	biom:VectorPositionVerticalCoordinateValue	A vertical (Y) coordinate value, as specified in the description of Field 8.008: Signature image data / DATA.
8.008	DATA	1	1	itl:PackageSignatureImageRecord/ biom:SignatureImage/ biom:SignatureImageVectorRepresentation/ biom:SignatureImageVector/	biom:VectorPositionHorizontalCoordinateValue	A horizontal (X) coordinate value, as specified in the description of Field 8.008: Signature image data / DATA.
9		0	*		itl:PackageMinutiaeRecord	
9.001	XRCC	1	1	itl:PackageMinutiaeRecord/	biom:RecordCategoryCode	
9.002	IDC	1	1	itl:PackageMinutiaeRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
9.003	IMP	1	1	itl:PackageMinutiaeRecord/	biom:MinutiaeImpressionCaptureCategoryCode	
9.004	FMT	1	1	itl:PackageMinutiaeRecord/	biom:MinutiaeFormatNISTStandardIndicator	The value "U" from the description of Field 9.004: Minutiae format / FMT maps to the value "false" in the XML, and the value "S" from the description of field 9.004 maps to the value "true" in the XML.
9.013_9.225		0	*	itl:PackageMinutiaeRecord/	biom:RecordMinutiae	This element is abstract and must be substituted with a user-defined element.
9.126_9.141		0	1	itl:PackageMinutiaeRecord/	biom:INCITSMinutiae	
9.126-A	CFO	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:CBEFFFormatOwnerIdentification/ nc:identificationID	
9.126-B	CFT	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:CBEFFFormatCategoryIdentification/ nc:identificationID	
9.126-C	CPI	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:CBEFFProductIdentification/ nc:identificationID	
9.127	CEI	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:ImageCaptureDetail	
9.127-A	AFS	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:ImageCaptureDetail/	biom:CaptureDeviceCertificationCode	
9.127-B	CID	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
9.128_9.134		1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:FingerImpressionImage	
9.128	HLL	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:ImageHorizontalLineLengthPixelQuantity	
9.129	VLL	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:ImageVerticalLineLengthPixelQuantity	
9.130	SLC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:ImageScaleUnitsCode	
9.131	THPS	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:ImageHorizontalPixelDensityValue	
9.132	TVPS	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:ImageVerticalPixelDensityValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.133	FVW	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:FingerViewNumeric	
9.134	FGP	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerImpressionImage/	biom:FingerPositionCode	
9.135	FQD	1	9	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:MinutiaeQuality	
9.135-A	QVU	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeQuality/	biom:QualityValue	
9.135-B	QAV	0	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
9.135-C	QAP	0	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
9.136	NOM	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:MinutiaeQuantity	
9.137	FMD	1	9999	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:INCITSMinutia	
9.137-A	MAN	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/	biom:MinutiaIdentification/ nc:identificationID	
9.137-B_9.137-D		1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/	biom:INCITSMinutiaLocation	
9.137-B	MXC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/ biom:INCITSMinutiaLocation/	biom:PositionHorizontalCoordinateValue	
9.137-C	MYC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/ biom:INCITSMinutiaLocation/	biom:PositionVerticalCoordinateValue	
9.137-D	MAV	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/ biom:INCITSMinutiaLocation/	biom:imageLocationThetaAngleMeasure	
9.137-E	M1M	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/	biom:INCITSMinutiaCategoryCode	
9.137-F	QOM	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:INCITSMinutia/	biom:MinutiaQualityValue	
9.138	RCI	0	79993	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:MinutiaeRidgeCountDetail	
9.138-A	REM	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeRidgeCountDetail/	biom:INCITSRidgeCountAlgorithmCode	
9.138-D_9.138-F		1	*	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeRidgeCountDetail/	biom:MinutiaeRidgeCountItem	
9.138-D	CMI	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem/	biom:MinutiaIdentification/ nc:identificationID	
9.138-E	NMN	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem/	biom:MinutiaReferenceIdentification/ nc:identificationID	
9.138-F	NRC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem/	biom:RidgeCountValue	
9.139	CIN	0	9	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:FingerprintPatternCoreLocation	
9.139-A	XCC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation/	biom:PositionHorizontalCoordinateValue	
9.139-B	YCC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation/	biom:PositionVerticalCoordinateValue	
9.139-C	ANGC	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation/	biom:imageLocationThetaAngleMeasure	
9.140	DIN	0	9	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/	biom:FingerprintPatternDeltaLocation	
9.140-A	XCD	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation/	biom:PositionHorizontalCoordinateValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.140-B	YCD	1	1	itl:PackageMinutiaeRecord/ biom:INCITSMMinutiae/ biom:FingerprintPatternDeltaLocation/	biom:PositionVerticalCoordinateValue	
9.140-C_9.141-B		1	3	itl:PackageMinutiaeRecord/ biom:INCITSMMinutiae/ biom:FingerprintPatternDeltaLocation/	biom:ImageLocationThetaAngleMeasure	This XML element is used for ANG1 of field 9.140 and ANG2 and ANG3 of field 9.141.
9.176_9.179		0	1	itl:PackageMinutiaeRecord/	biom:OtherMinutiae	
9.176	OOD	1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/	biom:MinutiaeAlgorithmOwnerText	
9.177	PAG	1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/	biom:MinutiaeAlgorithm	
9.177-A	PAN	1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/ biom:MinutiaeAlgorithm/	biom:MinutiaeAlgorithmName	
9.177-B	PAV	0	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/ biom:MinutiaeAlgorithm/	biom:MinutiaeAlgorithmVersionText	
9.178	SOD	0	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/	biom:MinutiaeCaptureDevice	
9.178-A	OFN	1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/ biom:MinutiaeCaptureDevice/	biom:CaptureDeviceName	
9.178-B	OFV	0	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/ biom:MinutiaeCaptureDevice/	biom:CaptureDeviceVersionText	
9.179		1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/	biom:MinutiaeFormatContactOrganization	
9.179	DTX	1	1	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/ biom:MinutiaeFormatContactOrganization/ nc:OrganizationPrimaryContactInformation/	nc:ContactInformationDescriptionText	
9.180_9.225		0	*	itl:PackageMinutiaeRecord/ biom:OtherMinutiae/	biom:Minutiae	New for A/N 2013. This is an abstract element and may be substituted with user-defined elements.
9.300_9.373		0	1	itl:PackageMinutiaeRecord/	biom:ExtendedFeatureSetMinutiae	
9.300	ROI	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageRegionOfInterest	
9.300-A	EWI	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentWidthMeasure	
9.300-B	EHl	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentHeightMeasure	
9.300-C	EHO	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentHorizontalOffsetMeasure	
9.300-D	EVO	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentVerticalOffsetMeasure	
9.300-E	ROP	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/	biom:ImageSegmentPolygon	
9.300-E	ROP	3	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/	biom:ImageSegmentVertex	
9.300-E	ROP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.300-E	ROP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.301	ORT	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FingerprintImageFingerprintOrientation	
9.301-A	EOD	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation/	biom:OrientationAngleValue	
9.301-B	EUC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation/	biom:OrientationAngleUncertaintyValue	
9.302	FPP	1	20	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFingerLocation or biom:MinutiaePalmLocation or biom:MinutiaePlantarLocation or biom:MinutiaeFrictionRidgeLocation	Use biom:MinutiaeFingerLocation when the image represents a fingerprint, use biom:MinutiaePalmLocation when the image represents a palmprint, use biom:MinutiaePlantarLocation when the image represents a plantar print, and use biom:MinutiaeFrictionRidgeLocation when the image represents any friction ridge.

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9.302-A	FGP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePalmLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePlantarLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:FingerPositionCode or biom:PalmPositionCode or biom:PlantarPositionCode or biom:FrictionRidgePositionCode	Use biom:FingerPositionCode when the image represents a fingerprint, use biom:PalmPositionCode when the image represents a palmprint, use biom:PlantarPositionCode when the image represents a plantar print, and use biom:FrictionRidgePositionCode when the image represents any friction ridge.
9.302-B	FSM	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/	biom:SegmentLocationCode	
9.302-C	OCF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/	biom:FingerprintOffCenterCode	
9.302-D	SGP	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePalmLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePlantarLocation/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/	biom:ImageSegmentPolygon	
9.302-D	SGP	3	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/ biom:ImageSegmentPolygon/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePalmLocation/ biom:ImageSegmentPolygon/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePlantarLocation/ biom:ImageSegmentPolygon/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/	biom:ImageSegmentVertex	
9.302-D	SGP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/ biom:ImageSegmentPolygon/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePalmLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePlantarLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.302-D	SGP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFingerLocation/ biom:ImageSegmentPolygon/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePalmLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePlantarLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/ or itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.303	FSP	0	9	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:ExtendedFeatureSetProfileIdentification/ nc:identificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.307	PAT	0	7	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FingerprintPatternClassification	
9.307-A	GCF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternGeneralClassCode	
9.307-B	SUB	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternSubClassCode	
9.307-C	WDR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification/	biom:FingerprintPatternWhorlDeltaRelationshipCode	
9.308	RQM	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap/	biom:MinutiaeRidgeQualityMapRowText	
9.309	RQF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeQualityMap	
9.309-A	GSZ	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap/	biom:MinutiaeRidgeQualityMapCellSizeValue	
9.309-B	RDF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap/	biom:MinutiaeRidgeQualityMapFormatCode	
9.310	RFM	1	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap/	biom:MinutiaeRidgeFlowMapRowText	
9.311	RFF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeFlowMap	
9.311-A	SFQ	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap/	biom:MinutiaeRidgeFlowMapSamplingFrequencyValue	
9.311-B	RDF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap/	biom:MinutiaeRidgeFlowMapFormatCode	
9.312	RWM	1	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap/	biom:MinutiaeRidgeWavelengthMapRowText	
9.313	RWF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeWavelengthMap	
9.313-A	FWS	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap/	biom:MinutiaeRidgeWavelengthMapSamplingFrequencyValue	
9.313-B	FDF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap/	biom:MinutiaeRidgeWavelengthMapFormatCode	
9.314	TRV	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageTonalReversalCode	
9.315	PLR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageLateralReversalCode	
9.316	FQM	0	9	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:ImageQuality	
9.316-A	QVU	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityValue	
9.316-B	QAV	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
9.316-C	QAP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:ImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
9.317	PGS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeGrowthOrShrinkage	
9.317-A	TGS	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeGrowthOrShrinkage/	biom:MinutiaeGrowthOrShrinkageCode	
9.317-B	CGS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeGrowthOrShrinkage/	biom:MinutiaeCommentText	
9.320	COR	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeCore	
9.320-A	CXC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:ImageLocationHorizontalCoordinateMeasure	
9.320-B	CYC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:ImageLocationVerticalCoordinateMeasure	
9.320-C	CDI	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:MinutiaeCoreDirectionMeasure	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.320-D	RPU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:ImageLocationUncertaintyRadiusMeasure	
9.320-E	DUY	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeCore/	biom:MinutiaeCoreDirectionUncertaintyValue	
9.321	DEL	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeDelta	
9.321-A	DXC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:ImageLocationHorizontalCoordinateMeasure	
9.321-B	DYC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:ImageLocationVerticalCoordinateMeasure	
9.321-C	DUP	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionUpMeasure	
9.321-D	DLF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionLeftMeasure	
9.321-E	DRT	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionRightMeasure	
9.321-F	DTP	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaCategoryCode	
9.321-G	RPU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:ImageLocationUncertaintyRadiusMeasure	
9.321-H	DUU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionUpUncertaintyValue	
9.321-I	DUL	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionLeftUncertaintyValue	
9.321-J	DUR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDelta/	biom:MinutiaeDeltaDirectionRightUncertaintyValue	
9.322	CDR	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeCountCoreToDelta	
9.322-A	CIX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta/	biom:MinutiaeCoreIdentification/ nc:identificationID	
9.322-B	DIX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta/	biom:MinutiaeDeltaIdentification/ nc:identificationID	
9.322-C	MNRC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta/	biom:RidgeCountMinimumValue	
9.322-D	MXRC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta/	biom:RidgeCountMaximumValue	
9.323	CPR	0	3	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageCenter	
9.323-A	CPM	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter/	biom:FrictionRidgeImageCenterLocationMethodCode	
9.323-B	PXC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter/	biom:ImageLocationHorizontalCoordinateMeasure	
9.323-C	PYC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter/	biom:ImageLocationVerticalCoordinateMeasure	
9.323-D	CRU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter/	biom:ImageLocationUncertaintyRadiusMeasure	
9.324	DIS	0	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeDistinctiveFeature	
9.324-A	DIT	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/	biom:MinutiaeDistinctiveFeatureCategoryCode	
9.324-B	DFP	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/	biom:ImageSegmentPolygon	
9.324-B	DFP	3	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/ biom:ImageSegmentPolygon/	biom:ImageSegmentVertex	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.324-B	DFP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.324-B	DFP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.324-C	DFC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/	biom:MinutiaeCommentText	
9.325	NCOR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoCoresPresentIndicator	
9.326	NDEL	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoDeltasPresentIndicator	
9.327	NDIS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoDistinctiveFeaturesPresentIndicator	
9.331	MIN	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSMinutia	
9.331-A	MXC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationHorizontalCoordinateMeasure	
9.331-B	MYC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationVerticalCoordinateMeasure	
9.331-C	MTD	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationThetaAngleMeasure	
9.331-D	MTY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:EFSMinutiaCategoryCode	
9.331-E	MRU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:ImageLocationUncertaintyRadiusMeasure	
9.331-F	MDU	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSMinutia/	biom:MinutiaDirectionUncertaintyValue	
9.332	MRA	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSRidgeCountAlgorithmCode	
9.333	MRC	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSRidgeCountItem	
9.333-A	MIA	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem/	biom:MinutiaIdentification/ nc:identificationID	
9.333-B	MIB	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem/	biom:MinutiaReferenceIdentification/ nc:identificationID	
9.333-C	MIR	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem/	biom:RidgeCountValue	
9.333-D	MRN	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem/	biom:MinutiaeRidgeCountOctantNumeric	
9.333-E	MRS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem/	biom:MinutiaeRidgeCountResidualCode	
9.334	NMIN	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoMinutiaePresentIndicator	
9.335	RCC	0	7992	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeCountConfidence	
9.335-A_9.335-B		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/	biom:MinutiaLocationPoint	
9.335-A	ACX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/ biom:MinutiaLocationPoint/	biom:ImageLocationHorizontalCoordinateMeasure	
9.335-B	ACY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/ biom:MinutiaLocationPoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.335-C_9.335-D		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/	biom:MinutiaLocationReferencePoint	
9.335-C	BCX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/ biom:MinutiaLocationReferencePoint/	biom:ImageLocationHorizontalCoordinateMeasure	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.335-D	BCY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/ biom:MinutiaeLocationReferencePoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.335-E	MORC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/	biom:MinutiaeRidgeCountMethodCode	
9.335-F	MCV	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/	biom:MinutiaeRidgeCountConfidenceValue	
9.340	DOT	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeDot	
9.340-A	DOX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDot/	biom:ImageLocationHorizontalCoordinateMeasure	
9.340-B	DOY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDot/	biom:ImageLocationVerticalCoordinateMeasure	
9.340-C	DOL	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDot/	biom:MinutiaeDotLengthMeasure	
9.341	INR	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeIncipientRidge	
9.341-A_9.341-B		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/	biom:MinutiaeLocationPoint	
9.341-A	X1C	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/ biom:MinutiaeLocationPoint/	biom:ImageLocationHorizontalCoordinateMeasure	
9.341-B	Y1C	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/ biom:MinutiaeLocationPoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.341-C_9.341-D		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/	biom:MinutiaeLocationReferencePoint	
9.341-C	X2C	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/ biom:MinutiaeLocationReferencePoint/	biom:ImageLocationHorizontalCoordinateMeasure	
9.341-D	Y2C	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/ biom:MinutiaeLocationReferencePoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.342	CLD	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFlexionCrease	
9.342-A_9.342-B		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/	biom:MinutiaeLocationPoint	
9.342-A	X1D	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/ biom:MinutiaeLocationPoint/	biom:ImageLocationHorizontalCoordinateMeasure	
9.342-B	Y1D	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/ biom:MinutiaeLocationPoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.342-C_9.342-D		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/	biom:MinutiaeLocationReferencePoint	
9.342-C	X2D	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/ biom:MinutiaeLocationReferencePoint/	biom:ImageLocationHorizontalCoordinateMeasure	
9.342-D	Y2D	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/ biom:MinutiaeLocationReferencePoint/	biom:ImageLocationVerticalCoordinateMeasure	
9.342-E	TPD	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/	biom:MinutiaeFlexionCreaseCategoryCode	
9.343	REF	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeRidgeEdgeOrDiscontinuity	
9.343-A	CLX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity/	biom:ImageLocationHorizontalCoordinateMeasure	
9.343-B	CLY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity/	biom:ImageLocationVerticalCoordinateMeasure	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.343-C	CLT	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity/	biom:MinutiaeRidgeEdgeOrDiscontinuityCategoryCode	
9.344	NPOR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoPoresPresentIndicator	
9.345	POR	0	9999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaePore	
9.345-A	POX	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePore/	biom:ImageLocationHorizontalCoordinateMeasure	
9.345-B	POY	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaePore/	biom:ImageLocationVerticalCoordinateMeasure	
9.346	NDOT	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoDotsPresentIndicator	
9.347	NINR	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoIncipientRidgesPresentIndicator	
9.348	NCLD	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoCreasesPresentIndicator	
9.349	NREF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeNoRidgeEdgeFeaturesPresentIndicator	
9.350	MFD	0	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFeatureDetection	
9.350-A	FIE	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionFieldListText	
9.350-B	FME	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionMethodCode	
9.350-C	FAV	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeAlgorithmVendorIdentification/ nc:IdentificationID	
9.350-D	FAL	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeAlgorithmIdentification/ nc:IdentificationID	
9.350-E_9.350-F		0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminer/	nc:PersonName	
9.350-E	ESN	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonSurName	
9.350-F	EGN	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonGivenName	
9.350-G	EAF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/ biom:MinutiaeExaminerAffiliation/	nc:OrganizationName	
9.350-H	EMT	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeFeatureDetectionDateTime/ nc:DateTime	
9.350-I	NTS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/	biom:MinutiaeCommentText	
9.351	COM	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeCommentText	
9.352	LPM	0	9	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:LatentProcessingCategoryCode	
9.353	EAA	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeValueAssessment	
9.353-A	AAV	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/	biom:MinutiaeValueAssessmentResultCode	
9.353-B_9.353-C		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/ biom:MinutiaeExaminer/	nc:PersonName	
9.353-B	ALN	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonSurName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.353-C	AFN	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonGivenName	
9.353-D	AAF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/ biom:MinutiaeExaminerAffiliation/	nc:OrganizationName	
9.353-E	AMT	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/	biom:MinutiaeValueAssessmentDateTime/ nc:DateTime	
9.353-F	ACM	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/	biom:MinutiaeCommentText	
9.353-G	CXF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/	biom:MinutiaeAnalysisComplexityCode	
9.354	EOF	0	4	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFraudEvidence	
9.354-A	FRA	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFraudEvidence/	biom:MinutiaeFraudEvidenceCategoryCode	
9.354-B	CFD	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFraudEvidence/	biom:MinutiaeCommentText	
9.355	LSB	0	3	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeLatentSubstrate	
9.355-A	CLS	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentSubstrate/	biom:MinutiaeLatentSubstrateCategoryCode	
9.355-B	OSD	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentSubstrate/	biom:MinutiaeLatentSubstrateDescriptionText	
9.356	LMT	0	3	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeLatentMatrix	
9.356-A	TOM	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentMatrix/	biom:MinutiaeLatentMatrixCategoryCode	
9.356-B	CLA	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentMatrix/	biom:MinutiaeCommentText	
9.357	LQI	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeLocalQualityIssues	
9.357-A	LQT	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/	biom:MinutiaeLocalQualityIssuesCategoryCode	
9.357-B	LQP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/	biom:ImageSegmentPolygon	
9.357-B	LQP	3	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/ biom:ImageSegmentPolygon/	biom:ImageSegmentVertex	
9.357-B	LQP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.357-B	LQP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.357-C	LQC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/	biom:MinutiaeCommentText	
9.360	AOC	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageAreaOfCorrespondence	
9.360-A	CIR	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/	biom:ImageReferenceIdentification/ nc:identificationID	
9.360-B	AOP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/	biom:ImageSegmentPolygon	
9.360-B	AOP	3	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/ biom:ImageSegmentPolygon/	biom:ImageSegmentVertex	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.360-B	AOP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.360-B	AOP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/ biom:ImageSegmentPolygon/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.360-C	CAC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/	biom:MinutiaeCommentText	
9.361	CPF	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeFeatureCorrespondence	
9.361-A	COL	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureIdentification/ nc:identificationID	
9.361-B	TOC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureCorrespondenceCategoryCode	
9.361-C	CFN	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureCategoryCode	
9.361-D	FOC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeFeatureReferenceIdentification/ nc:identificationID	
9.361-E	CXC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:ImageLocationHorizontalCoordinateMeasure	
9.361-F	CYC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:ImageLocationVerticalCoordinateMeasure	
9.361-G	COC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/	biom:MinutiaeCommentText	
9.362	ECD	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeExaminerComparisonDetermination	
9.362-A	EDC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:ImageReferenceIdentification/ nc:identificationID	
9.362-B	EDE	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:MinutiaeExaminerComparisonDeterminationResultCode	
9.362-C	WIP	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:MinutiaeExaminerProgressCode	
9.362-D_9.362-E		1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/ biom:MinutiaeExaminer/	nc:PersonName	
9.362-D	ELN	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonSurName	
9.362-E	EFN	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/ biom:MinutiaeExaminer/ nc:PersonName/	nc:PersonGivenName	
9.362-F	EAF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/ biom:MinutiaeExaminerAffiliation/	nc:OrganizationName	
9.362-G	DTG	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:MinutiaeExaminerComparisonDeterminationDateTime/ nc:DateTime	
9.362-H	CZZ	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:MinutiaeCommentText	
9.362-I	CCF	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/	biom:MinutiaeComparisonComplexityCode	
9.363	RRC	0	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeImageRelativeRotation	
9.363-A	RIR	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation/	biom:ImageReferenceIdentification/ nc:identificationID	
9.363-B	ROR	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation/	biom:ImageRelativeOverallRotationValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
9.372	SIM	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:FrictionRidgeSkeletonizedImageBinaryObject	
9.373	RPS	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:MinutiaeImageRidgePathRepresentation	
9.373	RPS	1	*	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePathRepresentation/	biom:MinutiaeRidgePathSegment	
9.373	RPS	2	99	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePathRepresentation/ biom:MinutiaeRidgePathSegment/	biom:ImageSegmentVertex	
9.373	RPS	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePathRepresentation/ biom:MinutiaeRidgePathSegment/ biom:ImageSegmentVertex/	biom:ImageLocationHorizontalCoordinateMeasure	
9.373	RPS	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePathRepresentation/ biom:MinutiaeRidgePathSegment/ biom:ImageSegmentVertex/	biom:ImageLocationVerticalCoordinateMeasure	
9.380	TPL	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSTemporaryLine	New field for A/N 2013
9.380-A	TXA	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:ImageLocationHorizontalCoordinateMeasure	
9.380-B	TYA	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:ImageLocationVerticalCoordinateMeasure	
9.380-C	TXB	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:ImageLocationHorizontalCoordinateMeasure	
9.380-D	TYB	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:ImageLocationVerticalCoordinateMeasure	
9.380-E	TLC	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:FeatureLineColorValue	
9.380-F	TLT	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/	biom:FeatureLineThicknessValue	
9.381	FCC	0	999	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/	biom:EFSTeatureColor	New field for A/N 2013
9.381-A	FTF	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTeatureColor/	biom:FeatureColorFieldReferencedCode	
9.381-B	FTO	1	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTeatureColor/	biom:FeatureColorFieldOccurrenceReferenced	
9.381-C	FTC	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTeatureColor/	biom:FeatureColorHexidecimalValue	
9.381-D	COM	0	1	itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/ biom:EFSTeatureColor/	biom:FeatureColorCommentText	
9.901	ULA	0	*	itl:PackageMinutiaeRecord/	biom:MinutiaeUniversalLatentWorkstationAnnotationText	
9.902	ANN	0	*	itl:PackageMinutiaeRecord/	biom:ProcessAnnotation	
9.902-A	GMT	1	1	itl:PackageMinutiaeRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
9.902-B	NAV	1	1	itl:PackageMinutiaeRecord/ biom:ProcessAnnotation/	biom:ProcessName	
9.902-C	OWN	1	1	itl:PackageMinutiaeRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
9.902-D	PRO	1	1	itl:PackageMinutiaeRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
9.903_9.904		0	1	itl:PackageMinutiaeRecord/	biom:BiometricCaptureDetail	
9.903	DUI	0	1	itl:PackageMinutiaeRecord/ biom:BiometricCaptureDetail/	biom:CaptureDeviceIdentification/ nc:IdentificationID	
9.904-A	MAK	0	1	itl:PackageMinutiaeRecord/ biom:BiometricCaptureDetail/	biom:CaptureDeviceMakeText	
9.904-B	MOD	0	1	itl:PackageMinutiaeRecord/ biom:BiometricCaptureDetail/	biom:CaptureDeviceModelText	
9.904-C	SER	0	1	itl:PackageMinutiaeRecord/ biom:BiometricCaptureDetail/	biom:CaptureDeviceSerialNumberText	
10		0	*		Itl:PackageFacialAndSMTImageRecord	
10.001	XRCC	1	1	itl:PackageFacialAndSMTImageRecord/	biom:RecordCategoryCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.002	IDC	1	1	itl:PackageFacialAndSMTImageRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
10.003_10.999		1	1	itl:PackageFacialAndSMTImageRecord/	biom:FacelImage or biom:PhysicalFeatureImage	One and only one of biom:FacelImage or biom:PhysicalFeatureImage must appear. If the IMT field contains the value "FACE", biom:FacelImage is mandatory; otherwise it shall not appear. If the IMT field does not contain the value "FACE", biom:PhysicalFeatureImage is mandatory; otherwise it shall not appear.
10.003	IMT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageCategoryCode	
10.004_10.993		1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
10.004	SRC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
10.005	PHD	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
10.006	HLL	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageHorizontalLineLengthPixelQuantity	
10.007	VLL	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageVerticalLineLengthPixelQuantity	
10.008	SLC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageScaleUnitsCode	
10.009	THPS	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageHorizontalPixelDensityValue	
10.010	TVPS	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageVerticalPixelDensityValue	
10.011	CGA	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageCompressionAlgorithmText	
10.012	CSP	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageColorSpaceCode	
10.013	SAP	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageAcquisitionProfileCode	
10.014	FIP	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageBoundingSquare	
10.014-A	LHC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundingSquare/	biom:SegmentLeftHorizontalCoordinateValue	
10.014-B	RHC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundingSquare/	biom:SegmentRightHorizontalCoordinateValue	
10.014-C	TVC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundingSquare/	biom:SegmentTopVerticalCoordinateValue	
10.014-D	BVC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundingSquare/	biom:SegmentBottomVerticalCoordinateValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.014-E	BBC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundingSquare/	biom:FacelImageBoundingCategoryCode	
10.015	FPFI	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageBoundary	
10.015-A	BYC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundary/	biom:FacelImageBoundaryShapeCode	
10.015-B	NOP	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundary/	biom:PositionPolygonVertexQuantity	
10.015-C_10.015-D		2	99	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundary/	biom:PositionPolygonVertex	
10.015-C	HPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundary/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	
10.015-D	VPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageBoundary/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	
10.016	SHPS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
10.017	SVPS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
10.018	DIST	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageDistortion	
10.018-A	IDK	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageDistortion/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion/	biom:ImageDistortionCategoryCode	
10.018-B	IDM	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageDistortion/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion/	biom:ImageDistortionMeasurementCode	
10.018-C	DSC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageDistortion/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageDistortion/	biom:ImageDistortionSeverityCode	
10.019	LAF	0	3	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageLightingArtifactsCode	
10.020	POS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageSubjectPoseCode	
10.021	POA	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImagePoseOffsetAngleMeasure	
10.023	PAS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageAcquisitionSource	
10.023-A	PAC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageAcquisitionSource/	biom:CaptureSourceCode	
10.023-B	VSD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageAcquisitionSource/	biom:CaptureSourceDescriptionText	
10.024	SQS	0	9	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageQuality	
10.024-A	QVU	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageQuality/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality/	biom:QualityValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.024-B	QAV	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageQuality/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
10.024-C	QAP	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageQuality/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
10.025	SPA	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImage3DPoseAngle	
10.025-A	YAW	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PoseYawAngleMeasure	
10.025-B	PIT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PosePitchAngleMeasure	
10.025-C	ROL	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PoseRollAngleMeasure	
10.025-D	YAWU	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PoseYawUncertaintyValue	
10.025-E	PITU	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PosePitchUncertaintyValue	
10.025-F	ROLU	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DPoseAngle/	biom:PoseRollUncertaintyValue	
10.026	SXS	0	50	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageDescriptionCode or biom:FacelImageDescriptionText	Use biom:FacelImageDescriptionCode when the value is explicitly specified in Table 63 of ANSI/NIST-ITL 1-2011 Update:2013, Subject facial description codes, or is a physical characteristic from Annex D. Use biom:FacelImageDescriptionText when the value is unformatted text (identified as "Other characteristics" in Table 63 of ANSI/NIST-ITL 1-2011 Update:2013, Subject facial description codes).
10.027	SEC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageEyeColorAttributeCode	
10.028	SHC	0	2	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageHairColorAttributeCode	
10.029	FFP	0	88	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:FacelImageFeaturePoint	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.029-A	FPT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageFeaturePoint/	biom:FeaturePointCategoryCode	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.029-B	FPC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageFeaturePoint/	biom:FeaturePointIdentification/ nc:identificationID	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.029-C	HGX	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageFeaturePoint/	biom:FeaturePointHorizontalCoordinateValue	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.029-D	HGY	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageFeaturePoint/	biom:FeaturePointVerticalCoordinateValue	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.030	DMM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.031	TMC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageFeaturePointTierCode or biom:FacelImageFeaturePointTierNumeric	Use biom:FacelImageFeaturePointTierCode when the value is explicitly listed in Table 67 of ANSI/NIST-ITL 1-2011 Update:2013 Tiered markup collections (frontal). Use biom:FacelImageFeaturePointTierNumeric for user-defined values.
10.032	3DF	0	88	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:FacelImage3DFeaturePoint	
10.032-A	FPT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImage3DFeaturePoint/	biom:FeaturePointCategoryCode	
10.032-B	FPC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImage3DFeaturePoint/	biom:FeaturePointIdentification/ nc:identificationID	
10.032-C	HGX	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImage3DFeaturePoint/	biom:FeaturePointHorizontalCoordinateValue	
10.032-D	HGY	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImage3DFeaturePoint/	biom:FeaturePointVerticalCoordinateValue	
10.032-E	HGZ	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImage3DFeaturePoint/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImage3DFeaturePoint/	biom:FeaturePointZCoordinateValue	
10.033	FEC	0	12	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:FacelImageContour	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.033-A	FCC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageContour/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageContour/	biom:FacelImageContourCategoryCode	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.033-B	NOP	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageContour/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageContour/	biom:PositionPolygonVertexQuantity	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.033-C_10.033-D		3	99	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageContour/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageContour/	biom:PositionPolygonVertex	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.033-C	HPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageContour/ biom:PositionPolygonVertex/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageContour/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	Added biom:PhysicalFeatureImage as XML parent for A/N 2015
10.033-D	VPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageContour/ biom:PositionPolygonVertex/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:FacelImageContour/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	Added biom:PhysicalFeatureImage as XML parent for A/N 2015

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.034	ICDR	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:ImageCaptureDateEstimateRange	New field for A/N 2013
10.038	COM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageCommentText	
10.039	T10	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureReferenceIdentification/ nc:identificationID	
10.040	SMT	0	3	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureNCICCode	
10.041	SMS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureSize	Added biom:FacelImage as XML parent for A/N 2015
10.041-A	HGT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:PhysicalFeatureSize/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureHeightMeasure	Added biom:FacelImage as XML parent for A/N 2015
10.041-B	WID	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:PhysicalFeatureSize/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureSize/	biom:PhysicalFeatureWidthMeasure	Added biom:FacelImage as XML parent for A/N 2015
10.042_10.043		0	9	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:PhysicalFeatureDescriptionDetail	
10.042-A	SMI	1	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureCategoryCode	
10.042-B	TAC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureClassCode	
10.042-C	TSC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureSubClassCode	
10.042-D	TDS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureDescriptionText	
10.043	COL	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/	biom:PhysicalFeatureColorDetail	
10.043-A	TC1	1	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeaturePrimaryColorCode	
10.043-B_10.043-F	TC2, TC3, TC4, TC5, TC6	0	5	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/ biom:PhysicalFeatureColorDetail/	biom:PhysicalFeatureSecondaryColorCode	Repeat this element as necessary to represent TC2, TC3, TC4, TC5 and TC6.
10.044	ITX	0	18	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:ImageTransformationCode	
10.045	OCC	0	16	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:FacelImageOcclusion	
10.045-A	OCY	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/	biom:FacelImageOcclusionOpacityCode	
10.045-B	OCT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/	biom:FacelImageOcclusionCategoryCode	
10.045-C	NOP	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/	biom:PositionPolygonVertexQuantity	
10.045-D_10.045-E		3	99	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/	biom:PositionPolygonVertex	
10.045-D	HPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.045-E	VPO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:FacelImageOcclusion/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	
10.046	SUB	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:SubjectExistentialDetails	New field for A/N 2013
10.046-A	SSC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:SubjectExistentialDetails/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
10.046-B	SBSC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:SubjectExistentialDetails/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
10.046-C	SBCC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:SubjectExistentialDetails/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
10.047	CON	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
10.048	PID	0	*	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:PatternedInjuryDetail	New field for A/N 2013
10.048-A	PARC	0	*	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:PatternedInjuryDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PatternedInjuryDetail/	biom:PatternedInjuryADAResponseCodeList/ biom:PatternedInjuryADAResponseCodeText or biom:PatternedInjuryOtherResponseCodeList/ biom:PatternedInjuryOtherResponseCodeText	Updated to include biom:PatternedInjuryOtherResponseCodeList for A/N 2015
10.048-B	PADT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:PatternedInjuryDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:PatternedInjuryDetail/	biom:PatternedInjuryDescriptiveText	
10.049	CID	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:CheilosopicImageInformation	New field for A/N 2013
10.049-A	LPW	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintWidth	
10.049-B	LPH	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintHeight	
10.049-C	PHW	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:PhiltrumWidth	
10.049-D	PHH	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:PhiltrumHeight	
10.049-E	ULCL	0	5	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:UpperLipCharacterizationCodeList/ biom:LipCharacterizationCode	
10.049-F	LLCL	0	5	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LowerLipCharacterizationCodeList/ biom:LipCharacterizationCode	
10.049-G	LCLD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipContactLineDescriptorCode	
10.049-H	LPCT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintCharacterizationText	
10.049-I	LPPL	0	13	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintPathologiesPeculiaritiesCodeList/ biom:LipPrintPathologiesPeculiaritiesCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.049-J	LPPT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintPathologiesPeculiaritiesText	
10.049-K	LPSL	0	3	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintSurfaceCodeList/ biom:LipPrintSurfaceCode	
10.049-L	LPST	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintSurfaceText	
10.049-M	LPMC	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintMediumCode	
10.049-N	LPMT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintMediumText	
10.049-O	FHDT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:PersonFacialHairText	
10.049-P	LPDT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPositionTensionDescriptiveText	
10.049-Q	LPAT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintDescriptiveText	
10.049-R	LPCD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/	biom:LipPrintComparisonDescriptiveText	
10.050	VID	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:DentalVisualImageDataInformation	New field for A/N 2013
10.050-A	VIVC	1	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation/	biom:DentalVisualImageCode	
10.050-B	VIDT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation/	biom:DentalVisualImageDescriptiveText	
10.050-C	VICD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation/	biom:DentalVisualImageComparisonDescriptiveText	
10.051	RSP	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ or itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/	biom:RulerScalePresenceInformation	New field for A/N 2013
10.051-A	RSU	1	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation/ or itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleUnitCode	Updated to mandatory for A/N 2015
10.051-B	RSM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation/ or itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleMakeText	
10.051-C	RSO	0	1	itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation/ or itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleModelText	
10.200_10.900	UDF	0	*	itl:PackageFacialAndSMTImageRecord/	Itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
10.902	ANN	0	*	itl:PackageFacialAndSMTImageRecord/	biom:ProcessAnnotation	
10.902-A	GMT	1	1	itl:PackageFacialAndSMTImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
10.902-B	NAV	1	1	itl:PackageFacialAndSMTImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
10.902-C	OWN	1	1	itl:PackageFacialAndSMTImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
10.902-D	PRO	1	1	itl:PackageFacialAndSMTImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
10.903	DUI	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.904-A	MAK	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
10.904-B	MOD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
10.904-C	SER	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
10.992	T2C	0	1	itl:PackageFacialAndSMTImageRecord/	biom:Type2CrossReferenceIdentification/ nc:identificationID	New field for A/N 2013
10.993	SAN	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization/ nc:OrganizationName	
10.994	EFR	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
10.995	ASC	0	255	itl:PackageFacialAndSMTImageRecord/	biom:AssociatedContext	
10.995-A	ACN	1	1	itl:PackageFacialAndSMTImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
10.995-B	ASP	0	1	itl:PackageFacialAndSMTImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
10.996	HAS	0	1	itl:PackageFacialAndSMTImageRecord/	biom:ImageHashValue	
10.997	SOR	0	255	itl:PackageFacialAndSMTImageRecord/	biom:SourceRepresentation	
10.997-A	SRN	1	1	itl:PackageFacialAndSMTImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:identificationID	
10.997-B	RSP	0	1	itl:PackageFacialAndSMTImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:identificationID	
10.998	GEO	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
10.998-A	UTE	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
10.998-B_10.998-I		0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
10.998-B_10.998-D		0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.998-B	LTD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
10.998-C	LTM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
10.998-D	LTS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
10.998-E_10.998-G		0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:GeographicCoordinateLongitude	
10.998-E	LGD	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
10.998-F	LGM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
10.998-G	LGS	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
10.998-H	ELE	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationGeographicElevation/ nc:MeasurePointValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
10.998-I	GDC	0	1	itl:PackageFacialAndSMTImageRecord/biom:FacelImage/biom:ImageCaptureDetail/biom:CaptureLocation/biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageFacialAndSMTImageRecord/biom:PhysicalFeatureImage/biom:ImageCaptureDetail/biom:CaptureLocation/biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
10.998-J_10.998-L		0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
10.998-J	GCM	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
10.998-K	GCE	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
10.998-L	GCN	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
10.998-M	GRT	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
10.998-N_10.998-O		0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
10.998-N	OSI	1	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
10.998-O	OCV	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ else itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
10.999	DATA	0	1	itl:PackageFacialAndSMTImageRecord/ biom:FacelImage/ or itl:PackageFacialAndSMTImageRecord/ biom:PhysicalFeatureImage/	nc:BinaryBase64Object	Updated minimum occurrence from 1 to 0 for A/N 2015.
11		0	*		Itl:PackageVoiceDataRecord	New record for A/N 2013

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.001	XRCC	1	1	itl:PackageVoiceDataRecord/	biom:RecordCategoryCode	
11.002	IDC	1	1	itl:PackageVoiceDataRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
11.003_11.994		1	1	itl:PackageVoiceDataRecord/	biom:ForensicInvestigatoryVoiceDetail	
11.003	AOD	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:AudioObjectDescriptorCode	
11.004_11.993		1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:CaptureOrganization	
11.004	SRC	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
11.005	VRSO	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RecordingSettingDetail	
11.005-A	STC	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail/	biom:RecordingSourceCategoryCode	
11.005-B	SON	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail/	biom:SourceOrganizationName	
11.005-C	POC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail/	nc:OrganizationPrimaryContactInformation/ nc:ContactInformationDescriptionText	
11.005-D	CSC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail/	biom:RecordingSourceCountryISO3166Alpha2Code or biom:RecordingSourceCountryGENCAAlpha2Code or biom:RecordingSourceCountryISO3166Alpha3Code or biom:RecordingSourceCountryGENCAAlpha3Code or biom:RecordingSourceCountryISO3166NumericCode or biom:RecordingSourceCountryGENCNumericCode	biom:RecordingSourceCountryISO3166Alpha2Code is used for 2-character representations of ISO 3166-1. biom:RecordingSourceCountryISO3166Alpha3Code is used for 3-character representations of ISO 3166-1. biom:RecordingSourceCountryISO3166NumericCode is used for numeric representations of ISO 3166-1. biom:RecordingSourceCountryGENCAAlpha2Code is used for 2-character representations of GENC. biom:RecordingSourceCountryGENCAAlpha3Code is used for 3-character representations of GENC. biom:RecordingSourceCountryGENCNumericCode is used for numeric representations of GENC.
11.006	VRC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RecordingContentDescriptor	
11.006-A	AVI	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor/	biom:RecordingAssignedVoiceCategoryCode	
11.006-B	SPC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor/	biom:SpeakerPluralityCode	
11.006-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor/	biom:RecordingContentComment	
11.007	AREC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:AudioSourceRecorder	
11.007-A	RDD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder/	biom:CaptureDeviceDescriptionText	
11.007-B	MAK	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder/	biom:CaptureDeviceMakeText	
11.007-C	MOD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder/	biom:CaptureDeviceModelText	
11.007-D	SER	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder/	biom:CaptureDeviceSerialNumberText	
11.008	AQS	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SourceAcquisition	
11.008-A	AQC	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition/	biom:AcquisitionSourceCode	
11.008-B	AZD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition/	biom:AcquisitionDigitalConversionDescriptionText	
11.008-C	FDN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition/	biom:AcquisitionRadioTransmissionFormatDescriptionText	
11.008-D	AQSC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition/	biom:AcquisitionSpecialCharacteristicsText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.009	RCD	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RecordCreationDate/ nc:DateTime	
11.010	VRD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:CaptureDate/ nc:DateTime	
11.011	TRD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RecordingDuration	
11.011-A	TIM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDuration/	biom:RecordingDurationTime	
11.011-B	CBY	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDuration/	biom:RecordingCompressedBytesQuantity	
11.011-C	TSM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDuration/	biom:RecordingSampleQuantity	
11.012	PMO	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:PhysicalMediaObject	
11.012-A	MTD	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:MediaCategoryText	
11.012-B	RSP	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:RecordingSpeedRate	
11.012-C	RSU	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:RecordingSpeedUnitText	
11.012-D	EQD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:AudioEqualizationText	
11.012-E	TRC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:AudioTrackQuantity	
11.012-F	STK	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:SpeakerTrackList/ biom:TrackID	
11.012-G	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/	biom:MediaCommentText	
11.013	CONT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:DigitalMediaContainer	
11.013-A	CONC	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer/	biom:DigitalMediaContainerFormatCode	
11.013-B	ECON	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer/	biom:DigitalMediaContainerExternalReferenceCodeText	
11.013-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer/	biom:AudioCommentText	
11.014	CDC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:CodecDetails	
11.014-A	CODC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:CodecCategoryCode	
11.014-B	SRTN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:SamplingRate	
11.014-C	BITD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:RecordingBitDepthValue	
11.014-D	ENDC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:RecordingEndianCode	
11.014-E	NFMT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:NumericFormatText	
11.014-F	CHC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:RecordingChannelsQuantity	
11.014-G	ECOD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:CodecExternalReferenceCodeText	
11.014-H	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails/	biom:CodecCommentText	
11.021	RED	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RedactionInformation	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.021-A	RDI	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation/	biom:ProcessingIndicatorCode	
11.021-B	RDA	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation/	biom:ProcessingAuthorityText	
11.021-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation/	biom:ProcessingCommentText	
11.022	RDD	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:RedactionDiaryInformation	
11.022-A	SID	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/	biom:SegmentIdentifier	
11.022-B	TRK	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/	biom:TrackChannelList/ biom:TrackID	
11.022-C	RST	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/	biom:RelativeStartTime	
11.022-D	RET	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/	biom:RelativeEndTime	
11.022-E	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/	biom:DiaryCommentText	
11.023	DIS	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:DiscontinuityInformation	
11.023-A	DCI	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation/	biom:ProcessingIndicatorCode	
11.023-B	CTA	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation/	biom:ProcessingAuthorityText	
11.023-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation/	biom:ProcessingCommentText	
11.024	DSD	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:DiscontinuityDiaryInformation	
11.024-A	SID	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/	biom:SegmentIdentifier	
11.024-B	TRK	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/	biom:TrackChannelList/ biom:TrackID	
11.024-C	RST	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/	biom:RelativeStartTime	
11.024-D	RET	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/	biom:RelativeEndTime	
11.024-E	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/	biom:DiaryCommentText	
11.025	VOC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:VocalContentInformation	
11.025-A	DII	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation/	biom:DiarizationIndicatorCode	
11.025-B	DAU	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation/	biom:ProcessingAuthorityText	
11.025-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation/	biom:ProcessingCommentText	
11.026	VCD	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:VocalContentDiaryInformation	
11.026-A	SID	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:SegmentIdentifier	
11.026-B	TRK	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:TrackChannelList/ biom:TrackID	
11.026-C	RST	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:RelativeStartTime	
11.026-D	RET	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:RelativeEndTime	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.026-E	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:DiaryCommentText	
11.026-F	TDT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:DiaryTaggedDate/ nc:Date	
11.026-G	TST	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:TagStartDateTime/ nc:DateTime	
11.026-H	TET	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:TagEndDateTime/ nc:DateTime	
11.026-I	ORD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:OriginalRecordingDate/ nc:Date	
11.026-J	SRT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:SegmentRecordingStartDateTime/ nc:DateTime	
11.026-K	END	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:SegmentRecordingEndDateTime/ nc:DateTime	
11.026-L	TMD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:TimeSourceDescriptionText	
11.026-M	TCOM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/	biom:TimeCommentText	
11.027	OCN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:OtherContentInformation	
11.027-A	DII	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation/	biom:DiarizationIndicatorCode	
11.027-B	DAU	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation/	biom:ProcessingAuthorityText	
11.027-C	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation/	biom:ProcessingCommentText	
11.028	OCD	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:OtherContentDiaryInformation	
11.028-A	SID	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:SegmentIdentifier	
11.028-B	TRK	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:TrackChannelList/ biom:TrackID	
11.028-C	RST	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:RelativeStartTime	
11.028-D	RET	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:RelativeEndTime	
11.028-E	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:DiaryCommentText	
11.028-F	TDT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:DiaryTaggedDate/ nc:Date	
11.028-G	TST	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:TagStartDateTime/ nc:DateTime	
11.028-H	TET	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:TagEndDateTime/ nc:DateTime	
11.028-I	ORD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:OriginalRecordingDate/ nc:Date	
11.028-J	SRT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:SegmentRecordingStartDateTime/ nc:DateTime	
11.028-K	END	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:SegmentRecordingEndDateTime/ nc:DateTime	
11.028-L	TMD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:TimeSourceDescriptionText	
11.028-M	TCOM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/	biom:TimeCommentText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.032	SGEO	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SegmentGeographicalLocation	
11.032-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	biom:SegmentIdentifierList/ biom:SegmentIdentifier	
11.032-B	SCT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	biom:CellPhoneTowerCodeText	
11.032-B_11.032-I		0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
11.032-C_11.032-E		0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
11.032-C	LTD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
11.032-D	LTM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
11.032-E	LTS	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
11.032-F_11.032-H		0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
11.032-F	LGD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
11.032-G	LGM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
11.032-H	LGS	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
11.032-I	ELE	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
11.032-J	GDC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	
11.032-K_11.032-M		0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	nc:LocationUTMCoordinate	
11.032-K	GCM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
11.032-L	GCE	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
11.032-M	GCN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
11.032-N	GRT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	nc:LocationDescriptionText	
11.032-O_11.032-P		0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/	biom:LocationAlternateGeographicSystemValue	
11.032-O	OSI	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
11.032-P	OCV	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.033	SQV	0	9	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:VocalSegmentQualityValue	
11.033-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/	biom:SegmentIdentifierList/ biom:SegmentIdentifier	
11.033-B	QVU	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/	biom:QualityValue	
11.033-C	QAV	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
11.033-D	QAP	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
11.033-E	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/	biom:VocalSegmentQualityCommentText	
11.034	VCI	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:VocalCollisionIdentifierList/ biom:SegmentIdentifier	
11.035	PPY	0	9	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SegmentProcessingPriorityInformation	
11.035-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentProcessingPriorityInformation/	biom:SegmentIdentifierList/ biom:SegmentIdentifier	
11.035-B	PTY	1	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentProcessingPriorityInformation/	biom:ProcessingPriorityValue	
11.036	VSCT	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SegmentContentInformation	
11.036-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentIdentifierList/ biom:SegmentIdentifier	
11.036-B	TRN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentTranscriptText	
11.036-C	LNG	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentTranscriptLanguageCode	
11.036-D	PTT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentPhoneticTranscriptText	
11.036-E	PTC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:PhoneticTranscriptConvention	
11.036-F	TLT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentTranslationText	
11.036-G	TLG	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentTranslationLanguageCode	
11.036-H	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:SegmentContentCommentText	
11.036-I	TAC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/	biom:TranscriptAuthorityCommentText	
11.037	SCC	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SegmentSpeakerCharacteristicsInformation	
11.037-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:SegmentIdentifierList/ biom:SegmentIdentifier	
11.037-B	SPL	0	9999	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:SpeakerList/ biom:SpeakerIdentifier	
11.037-C	T2C	0	98	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:Type2CrossReferenceIdentificationList/ biom:Type2CrossReferenceIdentification/ nc:identificationID	
11.037-D	IMP	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:ImpairmentValue	
11.037-E	DSL	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:DominantSpokenLanguageCode	
11.037-F	LPS	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:LanguageProficiencyValue	
11.037-G	STY	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:SpeechStyleCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.037-H	INT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:IntelligibilityValue	
11.037-I	FDC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:FamiliarityValue	
11.037-J	HCM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:HealthCommentText	
11.037-K	EMC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:EmotionalStateCode	
11.037-L	VES	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:VocalEffortValue	
11.037-M	VSC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:VocalStyleCode	
11.037-N	RAI	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:RecordingAwarenessCode	
11.037-O	SCR	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:ScriptText	
11.037-P	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/	biom:SpeechCharacteristicsCommentText	
11.038	SCH	0	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:SegmentChannelInformation	
11.038-A	SIL	1	600000	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/ biom:SegmentIdentifierList/	biom:SegmentIdentifier	
11.038-B	ACD	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:AudioCaptureDeviceCode	
11.038-C	MTC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:TransducerPrincipleCode	
11.038-D	ENV	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:AudioCaptureEnvironmentText	
11.038-E	DST	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:TransducerDistanceValue	
11.038-F	AQC	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:AcquisitionSourceCode	
11.038-G	VMT	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:TransductionAlterationDescriptionText	
11.038-H	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/	biom:ChannelCommentText	
11.051	COM	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/	biom:AudioCommentText	
11.100_11.900	UDF	0	*	itl:PackageVoiceDataRecord/	itl:UserDefinedFields	
11.902	ANN	0	*	itl:PackageVoiceDataRecord/	biom:ProcessAnnotation	
11.902-A	GMT	1	1	itl:PackageVoiceDataRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
11.902-B	NAV	1	1	itl:PackageVoiceDataRecord/ biom:ProcessAnnotation/	biom:ProcessName	
11.902-C	OWN	1	1	itl:PackageVoiceDataRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
11.902-D	PRO	1	1	itl:PackageVoiceDataRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
11.993	SAN	0	1	itl:PackageVoiceDataRecord/ biom:ForensicInvestigatoryVoiceDetail/ biom:CaptureOrganization/	nc:OrganizationName	
11.994	EFR	0	1	itl:PackageVoiceDataRecord/	biom:SourceExternalAnalogFileReferenceText or biom:SourceExternalDigitalAudioReferenceText or biom:SourceExternalDigitalVideoReferenceText or biom:SourceExternalFileReferenceText	
11.995	ASC	0	255	itl:PackageVoiceDataRecord/	biom:AssociatedContext	
11.995-A	ACN	1	1	itl:PackageVoiceDataRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:IdentificationID	
11.995-B	ASP	0	1	itl:PackageVoiceDataRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
11.996	HAS	0	1	itl:PackageVoiceDataRecord/	biom:DigitalAudioRecordHashValue	
11.997	SOR	0	255	itl:PackageVoiceDataRecord/	biom:SourceRepresentation	RSP does not appear in Field 11.997 since the concept of image segmentation does not apply to an audio.
11.997-A	SRN	1	1	itl:PackageVoiceDataRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:identificationID	
11.999	DATA	0	1	itl:PackageVoiceDataRecord/	nc:BinaryBase64Object	
12		0	*		Itl:PackageForensicDentalDataRecord	New record for A/N 2013
12.001	XRCC	1	1	itl:PackageForensicDentalDataRecord/	biom:RecordCategoryCode	
12.002	IDC	1	1	itl:PackageForensicDentalDataRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
12.003	FDS	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:ForensicDentalSetting	
12.003-A	FACC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting/	biom:ForensicAnalystCategoryCode	
12.003-B	FOPC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting/	nc:OrganizationPrimaryContactInformation/ nc:ContactInformationDescriptionText	
12.003-C	FSCC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting/	biom:ForensicSourceCountryISO3166Alpha2Code or biom:ForensicSourceCountryGENCALpha2Code or biom:ForensicSourceCountryISO3166Alpha3Code or biom:ForensicSourceCountryGENCALpha3Code or biom:ForensicSourceCountryISO3166NumericCode or biom:ForensicSourceCountryGENCNumericCode	biom:ForensicSourceCountryISO3166Alpha2Code is used for 2-character representations of ISO 3166-1. biom:ForensicSourceCountryISO3166Alpha3Code is used for 3-character representations of ISO 3166-1. biom:ForensicSourceCountryISO3166NumericCode is used for numeric representations of ISO 3166-1. biom:ForensicSourceCountryGENCALpha2Code is used for 2-character representations of GENC. biom:ForensicSourceCountryGENCALpha3Code is used for 3-character representations of GENC. biom:ForensicSourceCountryGENCNumericCode is used for numeric representations of GENC.
12.004_12.993		1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/	biom:CaptureOrganization	
12.004	SRC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
12.006	DSI	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:DentalSubjectInformation	
12.006-A	DSC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectStatusCode	
12.006-B	DLCD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectLastContactDate/ nc:Date	
12.006-C	DRLC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectLastContactDateEstimateRange	
12.006-D	DPBD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	nc:PersonBirthDate/ nc:Date	
12.006-E	DRBD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectBirthDateEstimateRange	
12.006-F	DPET	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	nc:PersonEthnicityText	
12.006-G	DRAC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectDNARecordsAvailableCode	
12.006-H	DCLD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectCollectionLocationDescriptionText	
12.006-I	DEDD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectEstimatedDeathDate	
12.006-J	DRDE	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectDeathDateRange	
12.006-K	DTER	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectDeathTimeEstimateRationaleText	
12.006-L	DEAT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation/	biom:SubjectDeathAgeEstimateText	
12.007	ODES	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:OriginalDentalEncodingSystemInformation	
12.007-A	OSNC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation/	biom:SystemNameCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
12.007-B	OSVT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation/	biom:SystemVersionText	
12.007-C	OPTC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation/	biom:ToothPermanenceCategoryCode	
12.007-D	ORDG	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation/	biom:RestorationDataGranularityCode	
12.007-E	OMPN	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation/	biom:MorphologyPositionalNumberingCode	
12.008	TDES	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:TransmittalDentalEncodingSystemInformation	
12.008-A	TSNC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation/	biom:SystemNameCode	
12.008-B	TSVT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation/	biom:SystemVersionText	
12.008-C	TTPC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation/	biom:ToothPermanenceCategoryCode	
12.008-D	TRDG	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation/	biom:RestorationDataGranularityCode	
12.008-E	TMPN	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation/	biom:MorphologyPositionalNumberingCode	
12.009	HDD	0	*	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:DentalHistoryDataDetail	
12.009-A	HARC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalHistoryDataDetail/	biom:DentalHistoryADAResourceCode	
12.009-B	HADT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalHistoryDataDetail/	biom:DentalHistoryAdditionalDescriptiveText	
12.010	TDD	0	*	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:ToothDataDetail	
12.010-A	TDR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothDataRecordingDate/ nc:Date	It is optional. However, it shall not appear in a subfield if TDR is not present in that instance of the subfield.
12.010-B	TDRR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothDataRecordingDateEstimateRange	
12.010-C	TID	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothID	
12.010-D	TOET	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:OriginalSystemEncodingText	
12.010-E	TARC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothDataADAResourceCodeList/ biom:ADAResourceCodeText	
12.010-F	TTET	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:TransmittedToothEncodingText	
12.010-G	TICC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothIDCertaintyCode	
12.010-H	TADT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:ToothDataDetail/	biom:ToothDataAdditionalDescriptiveText	
12.011	MDD	0	*	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:MouthDataDetail	
12.011-A	MDR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:MouthDataDetail/	biom:MouthDataRecordingDate/ nc:Date	
12.011-B	MDRR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:MouthDataDetail/	biom:MouthDataRecordingDateEstimateRange	
12.011-C	MARC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:MouthDataDetail/	biom:MouthDataADAResourceCodeList/ biom:ADAResourceCodeText	
12.011-D	MADT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:MouthDataDetail/	biom:MouthDataAdditionalDescriptiveText	
12.012	DSTI	0	*	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:DentalStudyToothImpressionDetail	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
12.012-A	SDR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail/	biom:DentalStudyRecordingDate/ nc:Date	
12.012-B	SDRR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail/	biom:DentalStudyRecordingDateEstimateRange	
12.012-C	SRC	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail/	biom:DentalStudyReferenceCode	
12.012-D	SADT	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail/	biom:DentalStudyAdditionalDescriptiveText	
12.020	COM	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:ForensicDentalCommentText	
12.047_12.998		1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:DentalCaptureDetail	
12.047	CON	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	
12.200_12.900	UDF	0	*	itl:PackageForensicDentalDataRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
12.902	ANN	0	*	itl:PackageForensicDentalDataRecord/	biom:ProcessAnnotation	
12.902-A	GMT	1	1	itl:PackageForensicDentalDataRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
12.902-B	NAV	1	1	itl:PackageForensicDentalDataRecord/ biom:ProcessAnnotation/	biom:ProcessName	
12.902-C	OWN	1	1	itl:PackageForensicDentalDataRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
12.902-D	PRO	1	1	itl:PackageForensicDentalDataRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
12.990	T10C	0	99	itl:PackageForensicDentalDataRecord/	biom:Type10CrossReferenceIdentification/ nc:identificationID	
12.991	T22C	0	99	itl:PackageForensicDentalDataRecord/	biom:Type22CrossReferenceIdentification/ nc:identificationID	
12.992	T2C	0	1	itl:PackageForensicDentalDataRecord/	biom:Type2CrossReferenceIdentification/ nc:identificationID	
12.993	SAN	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
12.994	EFR	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/	biom:SourceExternalDigitalImageReferenceText or biom:SourceExternalAnalogFileReferenceText	
12.995	ASC	0	255	itl:PackageForensicDentalDataRecord/	biom:AssociatedContext	
12.995-A	ACN	1	1	itl:PackageForensicDentalDataRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
12.995-B	ASP	0	1	itl:PackageForensicDentalDataRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
12.996	HAS	0	1	itl:PackageForensicDentalDataRecord/	biom:ImageHashValue	
12.998	GEO	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/	biom:CaptureLocation	
12.998-A	UTE	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
12.998-B_12.998-I		0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
12.998-B_12.998-D		0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
12.998-B	LTD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
12.998-C	LTM	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
12.998-D	LTS	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
12.998-E_12.998-G		0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
12.998-E	LGD	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
12.998-F	LGM	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
12.998-G	LGS	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
12.998-H	ELE	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
12.998-I	GDC	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
12.998-J_12.998-L		0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
12.998-J	GCM	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
12.998-K	GCE	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
12.998-L	GCN	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
12.998-M	GRT	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
12.998-N_12.998-O		0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
12.998-N	OSI	1	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
12.998-O	OCV	0	1	itl:PackageForensicDentalDataRecord/ biom:ForensicDentalOralDetail/ biom:DentalCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
12.999	DATA	0	1	itl:PackageForensicDentalDataRecord/	nc:BinaryBase64Object	
13		0	*		itl:PackageLatentImageRecord	
13.001	XRCC	1	1	itl:PackageLatentImageRecord/	biom:RecordCategoryCode	
13.002	IDC	1	1	itl:PackageLatentImageRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
13.003_13.999		1	1	itl:PackageLatentImageRecord/	biom:FingerImpressionImage or biom:PalmarImage or biom:PlantarImage or biom:FrictionRidgeImage	Only one of these elements may appear. biom:FingerImpressionImage may be used if the IMP field contains one of the values 4 through 7, 28 or 29. biom:PalmarImage may be used if the IMP field contains one of the values 12 through 15, 28 or 29. biom:PlantarImage may be used if the IMP field contains one of the values 32 through 35, 28 or 29. biom:FrictionRidgeImage may be used for any friction ridge image. Codes 36 through 39 shall be specified using this element.

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.003	IMP	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	Biom:FingerprintImageImpressionCaptureCategoryCode (a deprecated element) may be substituted for biom:FrictionRidgeImageImpressionCaptureCategoryCode.
13.004_13.993		1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
13.004	SRC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
13.005	LCD	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
13.006	HLL	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageHorizontalLineLengthPixelQuantity	
13.007	VLL	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageVerticalLineLengthPixelQuantity	
13.008	SLC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageScaleUnitsCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.009	THPS	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageHorizontalPixelDensityValue	
13.010	TVPS	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageVerticalPixelDensityValue	
13.011	CGA	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageCompressionAlgorithmText	
13.012	BPX	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageBitsPerPixelQuantity	
13.013	FGP	1	6	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:FingerPositionCode or biom:FrictionRidgePositionCode or biom:PalmPositionCode or biom:PlantarPositionCode	
13.014_13.015		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/	biom:FingerprintImageMajorCasePrint	This is a structural anomaly, where there is no element to represent the Field 13.014: Search position descriptors / SPD repeating subfield, and instead each information item repeats. This anomaly is retained for backward compatibility purposes.
13.014-A	PDF	0	9	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerprintImageMajorCasePrint/	biom:FingerPositionCode	
13.014-B	FIC	0	9	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintCode	
13.015	PPC	0	12	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerprintImageMajorCasePrint/	biom:MajorCasePrintSegmentOffset	
13.015-A	FVC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentFingerViewCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.015-B	LOS	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentLocationCode	
13.015-C	LHC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentLeftHorizontalCoordinateValue	
13.015-D	RHC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentRightHorizontalCoordinateValue	
13.015-E	TVC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentTopVerticalCoordinateValue	
13.015-F	BVC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FingerPrintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentBottomVerticalCoordinateValue	
13.016	SHPS	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
13.017	SVPS	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
13.018	RSP	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:RulerScalePresenceInformation	New field for A/N 2013. biom:RulerScalePresenceInformation (13.018 RSP) and biom:StandardFingerprintFormNumberText (13.018-D RSP) are mutually exclusive. Only one of these elements may appear in a record.

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.018-A	RSU	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleUnitCode	
13.018-B	RSM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleMakeText	
13.018-C	RSO	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:RulerScalePresenceInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:RulerScalePresenceInformation/	biom:RulerScaleModelText	
13.018-D	RSF	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:StandardFingerprintFormNumberText	Biom:RulerScalePresenceInformation (13.018 RSP) and biom:StandardFingerprintFormNumberText (13.018-D RSF) are mutually exclusive. Only one of these elements may appear in a record.
13.019	REM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ResolutionMethodInformation	New field for A/N 2013
13.019-A	MDR	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionMeansCode	
13.019-B	KSL	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleLength	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.019-C	KSU	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleUnitCode	
13.019-D	SKA	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleXCoordinateA	
13.019-E	SYA	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleYCoordinateA	
13.019-F	SXB	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleXCoordinateB	
13.019-G	SYB	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionScaleYCoordinateB	
13.019-H	COM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ResolutionMethodInformation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ResolutionMethodInformation/	biom:ResolutionCommentText	
13.020	COM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:ImageCommentText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.024	LQM	0	9	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:FingerprintImageQuality or biom:PalprintImageQuality or biom:PlantarImageQuality or biom:FrictionRidgeImageQuality	
13.024-A	FRMP	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FrictionRidgeImageQuality/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:PalprintImageQuality/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:FingerPositionCode or biom:FrictionRidgePositionCode or biom:PalmPositionCode or biom:PlantarPositionCode	
13.024-B	QVU	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FrictionRidgeImageQuality/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:PalprintImageQuality/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityValue	
13.024-C	QAV	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FrictionRidgeImageQuality/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:PalprintImageQuality/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
13.024-D	QAP	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:FrictionRidgeImageQuality/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:PalprintImageQuality/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
13.046	SUB	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:SubjectExistentialDetails	New field for A/N 2013
13.046-A	SSC	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.046-B	SBSC	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
13.046-C	SBCC	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:SubjectExistentialDetails/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
13.047	CON	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
13.200_13.900	UDF	0	*	itl:PackageLatentImageRecord/	Itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
13.901	FCT	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:FrictionRidgeCaptureTechnology	New field for A/N 2015
13.902	ANN	0	*	itl:PackageLatentImageRecord/	biom:ProcessAnnotation	
13.902-A	GMT	1	1	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
13.902-B	NAV	1	1	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
13.902-C	OWN	1	1	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
13.902-D	PRO	1	1	itl:PackageLatentImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.903	DUI	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
13.904-A	MAK	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
13.904-B	MOD	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
13.904-C	SER	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
13.993	SAN	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
13.994	EFR	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
13.995	ASC	0	255	itl:PackageLatentImageRecord/	biom:AssociatedContext	
13.995-A	ACN	1	1	itl:PackageLatentImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
13.995-B	ASP	0	1	itl:PackageLatentImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
13.996	HAS	0	1	itl:PackageLatentImageRecord/	biom:ImageHashValue	
13.997	SOR	0	255	itl:PackageLatentImageRecord/	biom:SourceRepresentation	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.997-A	SRN	1	1	itl:PackageLatentImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:IdentificationID	
13.997-B	RSP	0	1	itl:PackageLatentImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:IdentificationID	
13.998	GEO	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
13.998-A	UTE	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
13.998-B_13.998-I		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
13.998-B_13.998-D		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.998-B	LTD	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
13.998-C	LTM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
13.998-D	LTS	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
13.998-E_13.998-G		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.998-E	LGD	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
13.998-F	LGM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
13.998-G	LGS	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
13.998-H	ELE	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageLatentImageRecord/ biom:PalmpointImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.998-I	GDC	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
13.998-J_13.998-L		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
13.998-J	GCM	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
13.998-K	GCE	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.998-L	GCN	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
13.998-M	GRT	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
13.998-N_13.998-O		0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
13.998-N	OSI	1	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:PalprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
13.998-O	OCV	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageLatentImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
13.999	DATA	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/ or itl:PackageLatentImageRecord/ biom:FrictionRidgeImage/ or itl:PackageLatentImageRecord/ biom:PalmprintImage/ or itl:PackageLatentImageRecord/ biom:PlantarImage/	nc:BinaryBase64Object	Updated minimum occurrence from 1 to 0 for A/N 2015.
14		0	*		itl:PackageFingerprintImageRecord	
14.001	XRCC	1	1	itl:PackageFingerprintImageRecord/	biom:RecordCategoryCode	
14.002	IDC	1	1	itl:PackageFingerprintImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
14.003_14.999		1	1	itl:PackageFingerprintImageRecord/	biom:FingerImpressionImage	
14.003	IMP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	Biom:FingerprntImageImpressionCaptureCategoryCode (a deprecated element) may be substituted for biom:FrictionRidgeImageImpressionCaptureCategoryCode.
14.004_14.993		1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
14.004	SRC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
14.005	FCD	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
14.006	HLL	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageHorizontalLineLengthPixelQuantity	
14.007	VLL	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageVerticalLineLengthPixelQuantity	
14.008	SLC	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageScaleUnitsCode	
14.009	THPS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageHorizontalPixelDensityValue	
14.010	TVPS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageVerticalPixelDensityValue	
14.011	CGA	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageCompressionAlgorithmText	
14.012	BPX	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:ImageBitsPerPixelQuantity	
14.013	FGP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerPositionCode	
14.014_14.015		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprntImageMajorCasePrint	
14.014-A	DFP	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprntImageMajorCasePrint/	biom:FingerPositionCode	
14.014-B	FIC	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprntImageMajorCasePrint/	biom:MajorCasePrintCode	
14.015	PPC	0	12	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprntImageMajorCasePrint/	biom:MajorCasePrintSegmentOffset	
14.015-A	FVC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprntImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentFingerViewCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
14.015-B	LOS	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentLocationCode	
14.015-C	LHC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentLeftHorizontalCoordinateValue	
14.015-D	RHC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentRightHorizontalCoordinateValue	
14.015-E	TVC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentTopVerticalCoordinateValue	
14.015-F	BVC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageMajorCasePrint/ biom:MajorCasePrintSegmentOffset/	biom:SegmentBottomVerticalCoordinateValue	
14.016	SHPS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
14.017	SVPS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
14.018	AMP	0	5	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageFingerMissing	
14.018-A	FRAP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageFingerMissing/	biom:FingerPositionCode	
14.018-B	ABC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageFingerMissing/	biom:FingerMissingCode	
14.020	COM	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:imageCommentText	
14.021	SEG	0	5	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageSegmentPositionSquare	
14.021-A	FRSP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionSquare/	biom:FingerPositionCode	
14.021-B	LHC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentLeftHorizontalCoordinateValue	
14.021-C	RHC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentRightHorizontalCoordinateValue	
14.021-D	TVC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentTopVerticalCoordinateValue	
14.021-E	BVC	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionSquare/	biom:SegmentBottomVerticalCoordinateValue	
14.022	NQM	0	5	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageNISTQuality	
14.022-A	FRNP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageNISTQuality/	biom:FingerPositionCode	
14.022-B	IQS	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageNISTQuality/	biom:NISTQualityMeasure	
14.023	SQM	0	45	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageSegmentationQuality	Updated maximum occurrence from 5 to 45 for A/N 2015
14.023-A	FRQP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentationQuality/	biom:FingerPositionCode	
14.023-B	QVU	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentationQuality/	biom:QualityValue	
14.023-C	QAV	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentationQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
14.023-D	QAP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentationQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
14.024	FQM	0	45	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageQuality	Updated maximum occurrence from 5 to 45 for A/N 2015
14.024-A	FRMP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/	biom:FingerPositionCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
14.024-B	QVU	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/	biom:QualityValue	
14.024-C	QAV	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:IdentificationID	
14.024-D	QAP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:IdentificationID	
14.025	ASEG	0	5	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageSegmentPositionPolygon	
14.025-A	FRAS	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionPolygon/	biom:FingerPositionCode	
14.025-B	NOP	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionPolygon/	biom:PositionPolygonVertexQuantity	
14.025-C_14.025-D		3	99	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionPolygon/	biom:PositionPolygonVertex	
14.025-C	HPO	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	
14.025-D	VPO	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:FingerprintImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	
14.026	SCF	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureIdentification/ nc:IdentificationID	
14.027	SIF	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageStitchedIndicator	
14.030	DMM	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	
14.031	FAP	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:FingerprintImageAcquisitionProfileCode	
14.046	SUB	0	1	itl:PackageFingerprintImageRecord/	biom:SubjectExistentialDetails	New field for A/N 2013
14.046-A	SSC	1	1	itl:PackageFingerprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
14.046-B	SBSC	0	1	itl:PackageFingerprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
14.046-C	SBCC	0	1	itl:PackageFingerprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
14.047	CON	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
14.200_14.900	UDF	0	*	itl:PackageFingerprintImageRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
14.901	FCT	0	1	itl:PackageLatentImageRecord/ biom:FingerImpressionImage/	biom:FrictionRidgeCaptureTechnology	New field for A/N 2015
14.902	ANN	0	*	itl:PackageFingerprintImageRecord/	biom:ProcessAnnotation	
14.902-A	GMT	1	1	itl:PackageFingerprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
14.902-B	NAV	1	1	itl:PackageFingerprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
14.902-C	OWN	1	1	itl:PackageFingerprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
14.902-D	PRO	1	1	itl:PackageFingerprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
14.903	DUI	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:IdentificationID	
14.904-A	MAK	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
14.904-B	MOD	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
14.904-C	SER	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
14.993	SAN	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
14.994	EFR	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
14.995	ASC	0	255	itl:PackageFingerprintImageRecord/	biom:AssociatedContext	
14.995-A	ACN	1	1	itl:PackageFingerprintImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
14.995-B	ASP	0	1	itl:PackageFingerprintImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
14.996	HAS	0	1	itl:PackageFingerprintImageRecord/	biom:imageHashValue	
14.997	SOR	0	255	itl:PackageFingerprintImageRecord/	biom:SourceRepresentation	
14.997-A	SRN	1	1	itl:PackageFingerprintImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:identificationID	
14.997-B	RSP	0	1	itl:PackageFingerprintImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:identificationID	
14.998	GEO	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
14.998-A	UTE	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
14.998-B_14.998-I		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
14.998-B_14.998-D		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
14.998-B	LTD	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
14.998-C	LTM	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
14.998-D	LTS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
14.998-E_14.998-G		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
14.998-E	LGD	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
14.998-F	LGM	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
14.998-G	LGS	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
14.998-H	ELE	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
14.998-I	GDC	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANS/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
14.998-J_14.998-L		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
14.998-J	GCM	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
14.998-K	GCE	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
14.998-L	GCN	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
14.998-M	GRT	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
14.998-N_14.998-O		0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
14.998-N	OSI	1	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
14.998-O	OCV	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
14.999	DATA	0	1	itl:PackageFingerprintImageRecord/ biom:FingerImpressionImage/	nc:BinaryBase64Object	
15		0	*		itl:PackagePalmprintImageRecord	
15.001	XRCC	1	1	itl:PackagePalmprintImageRecord/	biom:RecordCategoryCode	
15.002	IDC	1	1	itl:PackagePalmprintImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
15.003_15.999		1	1	itl:PackagePalmprintImageRecord/	biom:PalmprintImage	
15.003	IMP	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	Updated minimum occurrence from 1 to 0 for A/N 2015
15.004_15.993		1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
15.004	SRC	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
15.005	PCD	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
15.006	HLL	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageHorizontalLineLengthPixelQuantity	
15.007	VLL	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageVerticalLineLengthPixelQuantity	
15.008	SLC	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageScaleUnitsCode	
15.009	THPS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageHorizontalPixelDensityValue	
15.010	TVPS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageVerticalPixelDensityValue	
15.011	CGA	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageCompressionAlgorithmText	
15.012	BPX	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageBitsPerPixelQuantity	
15.013	FGP	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:PalmPositionCode	
15.016	SHPS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
15.017	SVPS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
15.018	AMP	0	9	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:PalmprintImageMissingArea	
15.018-A	FRAP	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageMissingArea/	biom:PalmPositionCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
15.018-B	ABC	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageMissingArea/	biom:PalmMissingAreaReasonCode	
15.020	COM	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:ImageCommentText	
15.021	SEG	0	17	itl:PackagePalmprintImageRecord/	biom:FrictionRidgeImageSegmentPositionSquare	New field for A/N 2013
15.021-A	FRSP	1	1	itl:PackagePalmprintImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:PalmPositionCode	
15.021-B	LHC	1	1	itl:PackagePalmprintImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentLeftHorizontalCoordinateValue	
15.021-C	RHC	1	1	itl:PackagePalmprintImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentRightHorizontalCoordinateValue	
15.021-D	TVC	1	1	itl:PackagePalmprintImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentTopVerticalCoordinateValue	
15.021-E	BVC	1	1	itl:PackagePalmprintImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentBottomVerticalCoordinateValue	
15.024	PQM	0	9	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:PalmprintImageQuality	
15.024-A	FRMP	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageQuality/	biom:PalmPositionCode	
15.024-B	QVU	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageQuality/	biom:QualityValue	
15.024-C	QAV	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
15.024-D	QAP	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:PalmprintImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
15.030	DMM	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	
15.031	PAP	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:PalmPrintImageAcquisitionProfileCode	New field for A/N 2015
15.046	SUB	0	1	itl:PackagePalmprintImageRecord/	biom:SubjectExistentialDetails	New field for A/N 2013
15.046-A	SSC	1	1	itl:PackagePalmprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
15.046-B	SBSC	0	1	itl:PackagePalmprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
15.046-C	SBCC	0	1	itl:PackagePalmprintImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
15.047	CON	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
15.200_15.900	UDF	0	*	itl:PackagePalmprintImageRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
15.901	FCT	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:FrictionRidgeCaptureTechnology	New field for A/N 2015
15.902	ANN	0	*	itl:PackagePalmprintImageRecord/	biom:ProcessAnnotation	
15.902-A	GMT	1	1	itl:PackagePalmprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
15.902-B	NAV	1	1	itl:PackagePalmprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
15.902-C	OWN	1	1	itl:PackagePalmprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
15.902-D	PRO	1	1	itl:PackagePalmprintImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
15.903	DUI	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
15.904-A	MAK	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
15.904-B	MOD	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
15.904-C	SER	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
15.993	SAN	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
15.994	EFR	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
15.995	ASC	0	255	itl:PackagePalmprintImageRecord/	biom:AssociatedContext	
15.995-A	ACN	1	1	itl:PackagePalmprintImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
15.995-B	ASP	0	1	itl:PackagePalmprintImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
15.996	HAS	0	1	itl:PackagePalmprintImageRecord/	biom:ImageHashValue	
15.997	SOR	0	255	itl:PackagePalmprintImageRecord/	biom:SourceRepresentation	
15.997-A	SRN	1	1	itl:PackagePalmprintImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:identificationID	
15.997-B	RSP	0	1	itl:PackagePalmprintImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:identificationID	
15.998	GEO	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
15.998-A	UTE	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
15.998-B_15.998-I		0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
15.998-B_15.998-D		0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
15.998-B	LTD	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
15.998-C	LTM	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
15.998-D	LTS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
15.998-E_15.998-G		0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
15.998-E	LGD	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
15.998-F	LGM	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
15.998-G	LGS	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
15.998-H	ELE	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
15.998-I	GDC	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANS/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
15.998-I_15.998-L		0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
15.998-J	GCM	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
15.998-K	GCE	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
15.998-L	GCN	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
15.998-M	GRT	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
15.998-N_15.998-O		0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
15.998-N	OSI	1	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
15.998-O	OCV	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
15.999	DATA	0	1	itl:PackagePalmprintImageRecord/ biom:PalmprintImage/	nc:BinaryBase64Object	
16		0	*		itl:PackageUserDefinedTestingImageRecord	
16.001	XRCC	1	1	itl:PackageUserDefinedTestingImageRecord/	biom:RecordCategoryCode	
16.002	IDC	1	1	itl:PackageUserDefinedTestingImageRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
16.003_16.999		1	1	itl:PackageUserDefinedTestingImageRecord/	biom:TestImage	
16.003	UDI	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	nc:BinaryDescriptionText	
16.004_16.993		1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
16.004	SRC	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
16.005	UTD	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
16.006	HLL	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageHorizontalLineLengthPixelQuantity	
16.007	VLL	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageVerticalLineLengthPixelQuantity	
16.008	SLC	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageScaleUnitsCode	
16.009	THPS	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageHorizontalPixelDensityValue	
16.010	TVPS	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageVerticalPixelDensityValue	
16.011	CGA	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageCompressionAlgorithmText	
16.012	BPX	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageBitsPerPixelQuantity	
16.013	CSP	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageColorSpaceCode	
16.016	SHPS	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
16.017	SVPS	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
16.020	COM	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageCommentText	
16.024	UQS	0	9	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:ImageQuality	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
16.024-A	QVU	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageQuality/	biom:QualityValue	
16.024-B	QAV	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:IdentificationID	
16.024-C	QAP	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:IdentificationID	
16.030	DMM	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	
16.200_16.900	UDF	0	*	itl:PackageUserDefinedTestingImageRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
16.902	ANN	0	*	itl:PackageUserDefinedTestingImageRecord/	biom:ProcessAnnotation	
16.902-A	GMT	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
16.902-B	NAV	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
16.902-C	OWN	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
16.902-D	PRO	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
16.903	DUI	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:IdentificationID	
16.904-A	MAK	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
16.904-B	MOD	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
16.904-C	SER	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
16.993	SAN	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
16.994	EFR	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
16.995	ASC	0	255	itl:PackageUserDefinedTestingImageRecord/	biom:AssociatedContext	
16.995-A	ACN	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:IdentificationID	
16.995-B	ASP	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	
16.996	HAS	0	1	itl:PackageUserDefinedTestingImageRecord/	biom:ImageHashValue	
16.997	SOR	0	255	itl:PackageUserDefinedTestingImageRecord/	biom:SourceRepresentation	
16.997-A	SRN	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:IdentificationID	
16.997-B	RSP	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:IdentificationID	
16.998	GEO	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
16.998-A	UTE	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
16.998-B_16.998-I		0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
16.998-B_16.998-D		0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
16.998-B	LTD	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
16.998-C	LTM	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
16.998-D	LTS	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
16.998-E_16.998-G		0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
16.998-E	LGD	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
16.998-F	LGM	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
16.998-G	LGS	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
16.998-H	ELE	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
16.998-I	GDC	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
16.998-J_16.998-L		0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
16.998-J	GCM	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
16.998-K	GCE	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
16.998-L	GCN	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
16.998-M	GRT	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
16.998-N_16.998-O		0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
16.998-N	OSI	1	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
16.998-O	OCV	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
16.999	DATA	0	1	itl:PackageUserDefinedTestingImageRecord/ biom:TestImage/	nc:BinaryBase64Object	Updated minimum occurrence from 1 to 0 for A/N 2015.
17		0	*		Itl:PackageIrisImageRecord	
17.001	XRCC	1	1	itl:PackageIrisImageRecord/	biom:RecordCategoryCode	
17.002	IDC	1	1	itl:PackageIrisImageRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
17.003_17.999		1	1	itl:PackageIrisImageRecord/	biom:IrisImage	
17.003	ELR	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisEyePositionCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
17.004_17.993		1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
17.004	SRC	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
17.005	ICD	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
17.006	HLL	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageHorizontalLineLengthPixelQuantity	
17.007	VLL	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageVerticalLineLengthPixelQuantity	
17.008	SLC	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageScaleUnitsCode	
17.009	THPS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageHorizontalPixelDensityValue	
17.010	TVPS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageVerticalPixelDensityValue	
17.011	CGA	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageCompressionAlgorithmText	
17.012	BPX	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageBitsPerPixelQuantity	
17.013	CSP	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageColorSpaceCode	
17.014	RAE	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisEyeRotationAngleText	
17.015	RAU	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisEyeRotationUncertaintyValueText	
17.016	IPC	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageCapture	
17.016-A	IHO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageCapture/	biom:IrisImageHorizontalOrientationCode	
17.016-B	IVO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageCapture/	biom:IrisImageVerticalOrientationCode	
17.016-C	IST	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageCapture/	biom:IrisImageScanCategoryCode	
17.017	DUI	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:IdentificationID	
17.019-A	MAK	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
17.019-B	MOD	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
17.019-C	SER	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
17.020	ECL	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisEyeColorAttributeCode	
17.021	COM	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageCommentText	
17.022	SHPS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
17.023	SVPS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
17.024	IQS	0	9	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:ImageQuality	
17.024-A	QVU	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageQuality/	biom:QualityValue	
17.024-B	QAV	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:IdentificationID	
17.024-C	QAP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:IdentificationID	
17.025_17.027		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageAcquisitionLightingSpectrum	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
17.025	EAS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageAcquisitionLightingSpectrum/	biom:AcquisitionLightingSpectrumCode	
17.026	IRD	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisDiameterPixelQuantity	
17.027-A	LOW	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageAcquisitionLightingSpectrum/	biom:AcquisitionLightingSpectrumLowerMeasure	
17.027-B	HIG	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageAcquisitionLightingSpectrum/	biom:AcquisitionLightingSpectrumUpperMeasure	
17.028	DME	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageMissingReasonCode	
17.030	DMM	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	
17.031	IAP	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageAcquisitionProfileCode	
17.032	ISF	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageStorageFormatCode	
17.033	IPB	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageIrisPupilBoundary	
17.033-A	BYC	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisPupilBoundary/	biom:IrisBoundaryShapeCode	
17.033-B	NOP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisPupilBoundary/	biom:ImageFeatureVertexQuantity	
17.033-C_17.033-D		2	99	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisPupilBoundary/	biom:ImageFeatureVertex	
17.033-C	HPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisPupilBoundary/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	
17.033-D	VPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisPupilBoundary/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	
17.034	ISB	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageIrisScleraBoundary	
17.034-A	BYC	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisScleraBoundary/	biom:IrisBoundaryShapeCode	
17.034-B	NOP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisScleraBoundary/	biom:ImageFeatureVertexQuantity	
17.034-C_17.034-D		2	99	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisScleraBoundary/	biom:ImageFeatureVertex	
17.034-C	HPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisScleraBoundary/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	
17.034-D	VPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisScleraBoundary/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	
17.035	UEB	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageIrisUpperEyelidBoundary	
17.035-A	BYC	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisUpperEyelidBoundary/	biom:IrisBoundaryShapeCode	
17.035-B	NOP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisUpperEyelidBoundary/	biom:ImageFeatureVertexQuantity	
17.035-C_17.035-D		3	99	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisUpperEyelidBoundary/	biom:ImageFeatureVertex	
17.035-C	HPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisUpperEyelidBoundary/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	
17.035-D	VPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisUpperEyelidBoundary/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	
17.036	LEB	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageIrisLowerEyelidBoundary	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
17.036-A	BYC	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisLowerEyelidBoundary/	biom:IrisBoundaryShapeCode	
17.036-B	NOP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisLowerEyelidBoundary/	biom:ImageFeatureVertexQuantity	
17.036-C_17.036-D		3	99	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisLowerEyelidBoundary/	biom:ImageFeatureVertex	
17.036-C	HPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisLowerEyelidBoundary/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	
17.036-D	VPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageIrisLowerEyelidBoundary/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	
17.037	NEO	0	*	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageOcclusion	
17.037-A	OCY	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/	biom:IrisImageOcclusionOpacityCode	
17.037-B	OCT	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/	biom:IrisImageOcclusionCategoryCode	
17.037-C	NOP	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/	biom:ImageFeatureVertexQuantity	
17.037-D_17.037-E		3	99	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/	biom:ImageFeatureVertex	
17.037-D	HPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/ biom:ImageFeatureVertex/	biom:PositionHorizontalCoordinateValue	
17.037-E	VPO	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:IrisImageOcclusion/ biom:ImageFeatureVertex/	biom:PositionVerticalCoordinateValue	
17.040	RAN	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageRangeMeasure	
17.041	GAZ	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:IrisImageGazeAngleMeasure	
17.200_17.900	UDF	0	*	itl:PackageIrisImageRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
17.902	ANN	0	*	itl:PackageIrisImageRecord/	biom:ProcessAnnotation	
17.902-A	GMT	1	1	itl:PackageIrisImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
17.902-B	NAV	1	1	itl:PackageIrisImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
17.902-C	OWN	1	1	itl:PackageIrisImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
17.902-D	PRO	1	1	itl:PackageIrisImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
17.993	SAN	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
17.994	EFR	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
17.995	ASC	0	255	itl:PackageIrisImageRecord/	biom:AssociatedContext	
17.995-A	ACN	1	1	itl:PackageIrisImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:IdentificationID	
17.995-B	ASP	0	1	itl:PackageIrisImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	
17.996	HAS	0	1	itl:PackageIrisImageRecord/	biom:ImageHashValue	
17.997	SOR	0	255	itl:PackageIrisImageRecord/	biom:SourceRepresentation	
17.997-A	SRN	1	1	itl:PackageIrisImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:IdentificationID	
17.997-B	RSP	0	1	itl:PackageIrisImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:IdentificationID	
17.998	GEO	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
17.998-A	UTE	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
17.998-B_17.998-I		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
17.998-B_17.998-D		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
17.998-B	LTD	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
17.998-C	LTM	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
17.998-D	LTS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
17.998-E_17.998-G		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
17.998-E	LGD	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
17.998-F	LGM	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
17.998-G	LGS	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
17.998-H	ELE	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
17.998-I	GDC	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
17.998-J_17.998-L		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
17.998-J	GCM	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
17.998-K	GCE	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
17.998-L	GCN	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
17.998-M	GRT	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
17.998-N_17.998-O		0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
17.998-N	OSI	1	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
17.998-O	OCV	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
17.999	DATA	0	1	itl:PackageIrisImageRecord/ biom:IrisImage/	nc:BinaryBase64Object	
18		0	*		Itl:PackageDNAREcord	
18.001	XRCC	1	1	itl:PackageDNAREcord/	biom:RecordCategoryCode	
18.002	IDC	1	1	itl:PackageDNAREcord/	biom:ImageReferenceIdentification/ nc:identificationID	
18.003_18.998		1	1	itl:PackageDNAREcord/	biom:DNASample	
18.003	DLS	1	1	itl:PackageDNAREcord/ biom:DNASample/	biom:DNALaboratory	
18.003-A	UTY	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	biom:DNALaboratoryUnitCategoryCode	
18.003-B	LTY	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	biom:DNALaboratoryCategoryCode	
18.003-C	ACC	0	6	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	biom:DNALaboratoryAccreditation	Each instance of this element represents one of the comma-separated values described in the specification for a maximum of 6.
18.003-C	ACC	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/ biom:DNALaboratoryAccreditation/	biom:DNALaboratoryAccreditationLevelCode	
18.003-C	ACC	0	4	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/ biom:DNALaboratoryAccreditation/	biom:DNALaboratoryAccreditationScopeCode	
18.003-D	NOO	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	nc:OrganizationName	
18.003-E	POC	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/ nc:OrganizationPrimaryContactInformation/	nc:ContactInformationDescriptionText	
18.003-F	CSC	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	biom:DNALaboratoryProcessingCountryISO3166Alpha2Code or biom:DNALaboratoryProcessingCountryGENCAlpha2Code or biom:DNALaboratoryProcessingCountryISO3166Alpha3Code or biom:DNALaboratoryProcessingCountryGENCAlpha3Code or biom:DNALaboratoryProcessingCountryISO3166NumericCode or biom:DNALaboratoryProcessingCountryGENCNumericCode	biom:DNALaboratoryProcessingCountryISO3166Alpha2Code is used for 2-character representations of ISO 3166-1. biom:DNALaboratoryProcessingCountryISO3166Alpha3Code is used for 3-character representations of ISO 3166-1. biom:DNALaboratoryProcessingCountryISO3166NumericCode is used for numeric representations of ISO 3166-1. biom:DNALaboratoryProcessingCountryGENCAlpha2Code is used for 2-character representations of GENC. biom:DNALaboratoryProcessingCountryGENCAlpha3Code is used for 3-character representations of GENC. biom:DNALaboratoryProcessingCountryGENCNumericCode is used for numeric representations of GENC.
18.003-G	ION	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNALaboratory/	biom:DNALaboratoryInternationalOrganizationName	
18.004_18.993		1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:BiometricCaptureDetail/	biom:CaptureOrganization	
18.004	SRC	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
18.005	NAL	1	1	itl:PackageDNAREcord/ biom:DNASample/	biom:DNAAnalysisQuantityCode	
18.006	SDI	1	1	itl:PackageDNAREcord/ biom:DNASample/	biom:DNADonor	
18.006-A	DSD	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNADonor/	biom:DNADonorCategoryCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
18.006-B	GID	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	nc:PersonSexCode	
18.006-C	DLC	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	biom:DNADonorLastContactDate/ nc:Date	
18.006-D	DOB	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	nc:PersonBirthDate/ nc:Date	
18.006-E	EGP	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	nc:PersonEthnicityText	
18.006-F	DRA	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	biom:DNADonorDentalRecordsAvailableCode	
18.006-G	LLC	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	biom:DNADonorCollectionLocationDescriptionText	
18.006-H	SDS	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNADonor/	biom:DNADonorStatusCode	
18.007	COPR	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAClaimedRelationshipCode	
18.008	VRS	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAValidatedRelationshipCode	
18.009	PED	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAPedigree	
18.009-A	PID	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeIdentification/ nc:identificationID	
18.009-B	PMI	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeMemberIdentification/ nc:identificationID	
18.009-C	PMS	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeMemberStatusCode	
18.009-D	SID	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeSampleIdentification/ nc:identificationID	
18.009-E	FID	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeFatherIdentification/ nc:identificationID	
18.009-F	MID	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeMotherIdentification/ nc:identificationID	
18.009-G	PCM	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAPedigree/	biom:DNAPedigreeCommentText	
18.010	STY	1	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNASampleOrigin	
18.010-A	SCT	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNASampleOrigin/	biom:DNACellularCategoryCode	
18.010-B	SMO	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNASampleOrigin/	biom:DNASampleOriginCode	
18.011	STI	1	5	itl:PackageDNARecord/ biom:DNASample/	biom:DNATypingTechnologyCategoryCode	
18.012	SCM	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNASampleCollectionMethodText	
18.013	SCD	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/	biom:CaptureDate/ nc:DateTime	Updated nc:Date to nc:DateTime for A/N 2015
18.014	PSD	1	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAProfileStorageDate/ nc:DateTime	Updated nc:Date to nc:DateTime for A/N 2015
18.015	DPD	1	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAProfile	
18.015-A	PTP	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAProfile/	biom:DNAProfileCategoryCode	
18.015-B	RES	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAProfile/	biom:DNAProfileResultCode	
18.015-C	PRF	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAProfile/	biom:DNAProfileIdentification/ nc:identificationID	
18.015-D	SUP	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAProfile/	biom:DNAProfileSupplementalText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
18.015-E	DPC	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAProfile/	biom:DNAProfileCommentText	
18.016	STR	0	*	itl:PackageDNAREcord/ biom:DNASample/	biom:DNASTRProfile	
18.016-A	DST	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNASTRProfileCategoryCode	
18.016-B	DLR	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNALocusIdentification/ nc:identificationID	
18.016-C	ALL	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAAlleleIndicator	
18.016-D	LAI	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNALocusAnalysisIndicator	
18.016-E	PCDT	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAPreciseCallIndicator	
18.016-F	AL1	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAAlleleCall1Text	
18.016-G	AL2	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAAlleleCall2Text	
18.016-H	AL3	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAAlleleCall3Text	
18.016-I	BID	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNABatchIdentification/ nc:identificationID	
18.016-J	ECR	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAElectropherogramIdentification/ nc:identificationID	
18.016-K	LCR	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAElectropherogramLadderIdentification/ nc:identificationID	
18.016-L_18.016-O		1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/	biom:DNAKit	
18.016-L	KID	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/ biom:DNAKit/	biom:DNAKitIdentification/ nc:identificationID	
18.016-M	KNM	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/ biom:DNAKit/	biom:DNAKitName	
18.016-N	KMF	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/ biom:DNAKit/	biom:DNAKitManufacturerName	
18.016-O	KDS	0	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNASTRProfile/ biom:DNAKit/	biom:DNAKitDescriptionText	
18.017	DMD	0	1	itl:PackageDNAREcord/ biom:DNASample/	biom:DNAMitochondrialData	
18.017-A	MT1	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoControlRegion1Text	
18.017-B	MT2	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoControlRegion2Text	
18.017-C	BSP	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseStartNumeric	
18.017-D	BEP	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseEndNumeric	
18.017-E	BCA	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseAdenineQuantity	
18.017-F	BCG	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseGuanineQuantity	
18.017-G	BCC	1	1	itl:PackageDNAREcord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseCytosineQuantity	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
18.017-H	BCT	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAMitochondrialData/	biom:DNAMitoBaseThymineQuantity	
18.018	UDP	0	*	itl:PackageDNARecord/ biom:DNASample/	biom:DNAUserDefinedProfile	This element is abstract and must be substituted with a user-defined element.
18.019	EPD	0	*	itl:PackageDNARecord/ biom:DNASample/	biom:DNAElectropherogram	
18.019-A	EIR	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogram/	biom:DNAElectropherogramIdentification/ nc:identificationID	
18.019-B	EST	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogram/	biom:DNAElectropherogramFileStorageText	
18.019-C	IDD	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogram/	biom:DNAElectropherogramDataDescriptionText	
18.019-D	ELPD	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogram/	biom:DNAElectropherogramBinaryObject	
18.019-E	EPS	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogram/ biom:DNAElectropherogramScreenshotImage/	nc:BinaryBase64Object	
18.020	DGD	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNAGenotypeDistributionCode	
18.021	GAP	0	*	itl:PackageDNARecord/ biom:DNASample/	biom:DNAGenotypeAllelePair	
18.021-A	GLR	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAGenotypeAllelePair/	biom:DNALocusIdentification/ nc:identificationID	
18.021-B	ALP	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAGenotypeAllelePair/	biom:DNAGenotypeAllelePairText	
18.021-C	GNW	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAGenotypeAllelePair/	biom:DNAGenotypeWeightNumeric	
18.022	COM	0	1	itl:PackageDNARecord/ biom:DNASample/	biom:DNACommentText	
18.023	EPL	0	*	itl:PackageDNARecord/ biom:DNASample/	biom:DNAElectropherogramLadder	
18.023-A	LIR	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogramLadder/	biom:DNAElectropherogramIdentification/ nc:identificationID	
18.023-B	LST	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogramLadder/	biom:DNAElectropherogramFileStorageText	
18.023-C	LDD	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogramLadder/	biom:DNAElectropherogramDataDescriptionText	
18.023-D	LEPD	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogramLadder/	biom:DNAElectropherogramBinaryObject	
18.023-E	LES	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:DNAElectropherogramLadder/ biom:DNAElectropherogramScreenshotImage/	nc:BinaryBase64Object	
18.200_18.900	UDF	0	*	itl:PackageDNARecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
18.902	ANN	0	*	itl:PackageDNARecord/	biom:ProcessAnnotation	
18.902-A	GMT	1	1	itl:PackageDNARecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
18.902-B	NAV	1	1	itl:PackageDNARecord/ biom:ProcessAnnotation/	biom:ProcessName	
18.902-C	OWN	1	1	itl:PackageDNARecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
18.902-D	PRO	1	1	itl:PackageDNARecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
18.992	T2C	1	1	itl:PackageDNARecord/	biom:Type2CrossReferenceIdentification/ nc:identificationID	New field for A/N 2013
18.993	SAN	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
18.995	ASC	0	255	itl:PackageDNARecord/	biom:AssociatedContext	
18.995-A	ACN	1	1	itl:PackageDNARecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
18.995-B	ASP	0	1	itl:PackageDNARecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
18.998	GEO	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/	biom:CaptureLocation	
18.998-A	UTE	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
18.998-B_18.998-I		0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
18.998-B_18.998-D		0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
18.998-B	LTD	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
18.998-C	LTM	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
18.998-D	LTS	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
18.998-E_18.998-G		0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
18.998-E	LGD	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
18.998-F	LGM	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
18.998-G	LGS	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
18.998-H	ELE	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
18.998-I	GDC	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
18.998-J_18.998-L		0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
18.998-J	GCM	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
18.998-K	GCE	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
18.998-L	GCN	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
18.998-M	GRT	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
18.998-N_18.998-O		0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
18.998-N	OSI	1	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
18.998-O	OCV	0	1	itl:PackageDNARecord/ biom:DNASample/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
19		0	*		Itl:PackagePlantarImageRecord	
19.001	XRCC	1	1	itl:PackagePlantarImageRecord/	biom:RecordCategoryCode	
19.002	IDC	1	1	itl:PackagePlantarImageRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
19.003_19.999		1	1	itl:PackagePlantarImageRecord/	biom:PlantarImage	
19.003	IMP	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:FrictionRidgeImageImpressionCaptureCategoryCode	Updated minimum occurrence from 1 to 0 for A/N 2015. Biom:FingerprintImageImpressionCaptureCategoryCode may still be used for backwards compatibility.
19.004_19.993		1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
19.004	SRC	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
19.005	PCD	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
19.006	HLL	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageHorizontalLineLengthPixelQuantity	
19.007	VLL	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageVerticalLineLengthPixelQuantity	
19.008	SLC	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageScaleUnitsCode	
19.009	THPS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageHorizontalPixelDensityValue	
19.010	TVPS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageVerticalPixelDensityValue	
19.011	CGA	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageCompressionAlgorithmText	
19.012	BPX	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:imageBitsPerPixelQuantity	
19.013	FGP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:PlantarPositionCode	
19.016	SHPS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	
19.017	SVPS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
19.018	AMP	0	8	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:PlantarImageMissingArea	
19.018-A	FRAP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageMissingArea/	biom:PlantarPositionCode	
19.018-B	ABC	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageMissingArea/	biom:PlantarMissingAreaReasonCode	
19.019	FSP	0	5	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:PlantarImageSegmentPositionPolygon	
19.019-A	FRSP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageSegmentPositionPolygon/	biom:PlantarPositionCode	
19.019-B	NOP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageSegmentPositionPolygon/	biom:PositionPolygonVertexQuantity	
19.019-C_19.019-D		3	99	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageSegmentPositionPolygon/	biom:PositionPolygonVertex	
19.019-C	HPO	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
19.019-D	VPO	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageSegmentPositionPolygon/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	
19.020	COM	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:ImageCommentText	
19.021	SEG	0	17	itl:PackagePlantarImageRecord/	biom:FrictionRidgeImageSegmentPositionSquare	New field for A/N 2013
19.021-A	FRSP	1	1	itl:PackagePlantarImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:PlantarPositionCode	
19.021-B	LHC	1	1	itl:PackagePlantarImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentLeftHorizontalCoordinateValue	
19.021-C	RHC	1	1	itl:PackagePlantarImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentRightHorizontalCoordinateValue	
19.021-D	TVC	1	1	itl:PackagePlantarImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentTopVerticalCoordinateValue	
19.021-E	BVC	1	1	itl:PackagePlantarImageRecord/ biom:FrictionRidgeImageSegmentPositionSquare/	biom:SegmentBottomVerticalCoordinateValue	
19.024	FQM	0	9	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:PlantarImageQuality	
19.024-A	FRMP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:PlantarPositionCode	
19.024-B	QVU	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityValue	
19.024-C	QAV	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
19.024-D	QAP	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:PlantarImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
19.030	DMM	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMonitoringModeCode	
19.031	TAP	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:PlantarPrintImageAcquisitionProfileCode	New field for A/N 2015
19.046	SUB	0	1	itl:PackagePlantarImageRecord/	biom:SubjectExistentialDetails	New field for A/N 2013
19.046-A	SSC	1	1	itl:PackagePlantarImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
19.046-B	SBSC	0	1	itl:PackagePlantarImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
19.046-C	SBCC	0	1	itl:PackagePlantarImageRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
19.047	CON	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
19.200_19.900	UDF	0	*	itl:PackagePlantarImageRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
19.901	FCT	0	1	itl:PackagePlantarImageRecord/	biom:FrictionRidgeCaptureTechnology	New field for A/N 2015
19.902	ANN	0	*	itl:PackagePlantarImageRecord/	biom:ProcessAnnotation	
19.902-A	GMT	1	1	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
19.902-B	NAV	1	1	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessName	
19.902-C	OWN	1	1	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
19.902-D	PRO	1	1	itl:PackagePlantarImageRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
19.903	DUI	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
19.904-A	MAK	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
19.904-B	MOD	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
19.904-C	SER	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
19.993	SAN	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
19.994	EFR	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	biom:SourceExternalFileReferenceText	New field for A/N 2015
19.995	ASC	0	255	itl:PackagePlantarImageRecord/	biom:AssociatedContext	
19.995-A	ACN	1	1	itl:PackagePlantarImageRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	
19.995-B	ASP	0	1	itl:PackagePlantarImageRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:identificationID	
19.996	HAS	0	1	itl:PackagePlantarImageRecord/	biom:imageHashValue	
19.997	SOR	0	255	itl:PackagePlantarImageRecord/	biom:SourceRepresentation	
19.997-A	SRN	1	1	itl:PackagePlantarImageRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:identificationID	
19.997-B	RSP	0	1	itl:PackagePlantarImageRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:identificationID	
19.998	GEO	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
19.998-A	UTE	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
19.998-B_19.998-I		0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
19.998-B_19.998-D		0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
19.998-B	LTD	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
19.998-C	LTM	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
19.998-D	LTS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
19.998-E_19.998-G		0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
19.998-E	LGD	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
19.998-F	LGM	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
19.998-G	LGS	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
19.998-H	ELE	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
19.998-I	GDC	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANS/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
19.998-I_19.998-L		0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
19.998-J	GCM	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
19.998-K	GCE	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
19.998-L	GCN	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
19.998-M	GRT	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
19.998-N_19.998-O		0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
19.998-N	OSI	1	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
19.998-O	OCV	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
19.999	DATA	0	1	itl:PackagePlantarImageRecord/ biom:PlantarImage/	nc:BinaryBase64Object	
20		0	*		itl:PackageSourceRepresentationRecord	
20.001	XRCC	1	1	itl:PackageSourceRepresentationRecord/	biom:RecordCategoryCode	
20.002	IDC	1	1	itl:PackageSourceRepresentationRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
20.003	CAR	1	1	itl:PackageSourceRepresentationRecord/	biom:SourceRecordCardinalityCode	
20.004_20.999		1	1	itl:PackageSourceRepresentationRecord/	biom:SourceImage or biom:SourceVideo or biom:SourceAudio	One and only one of biom:SourceImage, biom:SourceAudio or biom:SourceVideo must appear. Use biom:SourceImage if the source is a still image. Use biom:SourceAudio if the source is an audio file. Use biom:SourceVideo if the source is a video file.
20.004_20.998		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/	biom:ImageCaptureDetail or biom:BiometricCaptureDetail	Use biom:ImageCaptureDetail if the source is a still image. Use biom:BiometricCaptureDetail if the source is a video or audio file.
20.004_20.993		1	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureOrganization	
20.004	SRC	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
20.005	SRD	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureDate/ nc:DateTime	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.006	HLL	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageHorizontalLineLengthPixelQuantity	
20.007	VLL	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageVerticalLineLengthPixelQuantity	
20.008	SLC	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageScaleUnitsCode	
20.009	THPS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageHorizontalPixelDensityValue	
20.010	TVPS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageVerticalPixelDensityValue	
20.011	CGA	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageCompressionAlgorithmText	
20.012	BPX	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageBitsPerPixelQuantity	
20.013	CSP	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageColorSpaceCode	
20.014	AQS	1	9	itl:PackageSourceRepresentationRecord/	biom:SourceAcquisition	
20.014-A	AQT	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionSourceCode	
20.014-B	A2D	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionDigitalConversionDescriptionText	
20.014-C	FDN	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionRadioTransmissionFormatDescriptionText	biom:AcquisitionFormatDescriptionText may still be used for backwards compatibility.
20.014-D	AQSC	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceAcquisition/	biom:AcquisitionSpecialCharacteristicsText	
20.015	SFT	1	1	itl:PackageSourceRepresentationRecord/	biom:SourceFileFormat	
20.015-A	FTY	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceFileFormat/	biom:SourceFileCategoryText	
20.015-B	DEI	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceFileFormat/	biom:SourceFileDecodingInstructionsText	
20.016	SEG	0	99	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/	biom:ImageSegment	
20.016-A	RSP	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/	biom:ImageSegmentIdentification/ nc:identificationID	
20.016-B	IPT	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/	biom:ImageSegmentInternalIdentification/ nc:identificationID	
20.016-C	NOP	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/	biom:PositionPolygonVertexQuantity	
20.016-D_20.016-E		0	99	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/	biom:PositionPolygonVertex	
20.016-D	HPO	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ biom:PositionPolygonVertex/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	
20.016-E	VPO	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:ImageSegment/ biom:PositionPolygonVertex/ or itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageSegment/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	
20.017	SHPS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/	biom:CaptureHorizontalPixelDensityValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.018	SVPS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/	biom:CaptureVerticalPixelDensityValue	
20.019	TIX	0	99	itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/	biom:TimeSegment	
20.019-A	TIS	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:TimeSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:TimeSegment/	biom:TimeSegmentStartTimeValue	
20.019-B	TIE	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:TimeSegment/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:TimeSegment/	biom:TimeSegmentEndTimeValue	
20.020	COM	0	1	itl:PackageSourceRepresentationRecord/	biom:SourceCommentText	
20.021	SRN	1	1	itl:PackageSourceRepresentationRecord/	biom:SourceIdentification/ nc:identificationID	
20.022	ICDR	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:ImageCaptureDateEstimateRange	New field for A/N 2013
20.100_20.900	UDF	0	*	itl:PackageSourceRepresentationRecord/	itl:UserDefinedFields	
20.902	ANN	0	*	itl:PackageSourceRepresentationRecord/	biom:ProcessAnnotation	
20.902-A	GMT	1	1	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
20.902-B	NAV	1	1	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessName	
20.902-C	OWN	1	1	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
20.902-D	PRO	1	1	itl:PackageSourceRepresentationRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
20.903	DUI	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
20.904-A	MAK	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureDeviceMakeText	
20.904-B	MOD	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureDeviceModelText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.904-C	SER	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureDeviceSerialNumberText	
20.993	SAN	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
20.994	EFR	0	1	itl:PackageSourceRepresentationRecord/	biom:SourceExternalAnalogFileReferenceText or biom:SourceExternalFileReferenceText or biom:SourceExternalDigitalImageReferenceText or biom:SourceExternalDigitalAudioReferenceText or biom:SourceExternalDigitalVideoReferenceText	
20.995	ASC	0	255	itl:PackageSourceRepresentationRecord/	biom:AssociatedContext	
20.995-A	ACN	1	1	itl:PackageSourceRepresentationRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:IdentificationID	
20.995-B	ASP	0	1	itl:PackageSourceRepresentationRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	
20.996	HAS	0	1	itl:PackageSourceRepresentationRecord/	biom:imageHashValue	
20.998	GEO	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureLocation	
20.998-A	UTE	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
20.998-B_20.998-I		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
20.998-B_20.998-D		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.998-B	LTD	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
20.998-C	LTM	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
20.998-D	LTS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
20.998-E_20.998-G		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
20.998-E	LGD	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.998-F	LGM	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
20.998-G	LGS	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
20.998-H	ELE	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
20.998-I	GDC	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
20.998-I_20.998-L		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.998-J	GCM	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
20.998-K	GCE	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
20.998-L	GCN	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
20.998-M	GRT	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
20.998-N_20.998-O		0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
20.998-N	OSI	1	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
20.998-O	OCV	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
20.999	DATA	0	1	itl:PackageSourceRepresentationRecord/ biom:SourceImage/ or itl:PackageSourceRepresentationRecord/ biom:SourceVideo/ or itl:PackageSourceRepresentationRecord/ biom:SourceAudio/	nc:BinaryBase64Object	
21		0	*		itl:PackageAssociatedContextRecord	
21.001	XRCC	1	1	itl:PackageAssociatedContextRecord/	biom:RecordCategoryCode	
21.002	IDC	1	1	itl:PackageAssociatedContextRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
21.004_21.999		1	1	itl:PackageAssociatedContextRecord/	biom:ContextImage or biom:ContextAudio or biom:ContextVideo	One and only one of biom:ContextImage, biom:ContextAudio or biom:ContextVideo must appear.
21.004_21.998		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/	biom:ImageCaptureDetail or biom:BiometricCaptureDetail	Use biom:ImageCaptureDetail if the source is a still image. Use biom:BiometricCaptureDetail if the source is a video or audio file.
21.004_21.993		1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/	biom:CaptureOrganization	
21.004	SRC	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
21.005	ACD	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/	biom:CaptureDate/ nc:DateTime	
21.006	MDI	0	*	itl:PackageAssociatedContextRecord/	biom:MedicalDeviceInformation	New field for A/N 2013
21.006-A	TYP	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	biom:DeviceTypeText	
21.006-B	MFG	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	biom:DeviceManufacturerText	
21.006-C	MAK	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	biom:CaptureDeviceMakeText	
21.006-D	MOD	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	biom:CaptureDeviceModelText	
21.006-E	SER	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	biom:CaptureDeviceSerialNumberText	
21.006-F	COM	0	1	itl:PackageAssociatedContextRecord/ biom:MedicalDeviceInformation/	nc:CommentText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.015	AFT	1	1	itl:PackageAssociatedContextRecord/	biom:ContextFileFormat	
21.015-A	FTY	1	1	itl:PackageAssociatedContextRecord/ biom:ContextFileFormat/	biom:ContextFileCategoryText	
21.015-B	DEI	0	1	itl:PackageAssociatedContextRecord/ biom:ContextFileFormat/	biom:ContextFileDecodingInstructionsText	
21.016	SEG	0	99	itl:PackageAssociatedContextRecord/ biom:ContextImage/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/	biom:imageSegment	Corrected to include biom:ContextVideo for A/N 2015
21.016-A	ASP	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/	biom:imageSegmentIdentification/ nc:identificationID	Corrected to include biom:ContextVideo for A/N 2015
21.016-B	IPT	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/	biom:imageSegmentInternalIdentification/ nc:identificationID	Corrected to include biom:ContextVideo for A/N 2015
21.016-C	NOP	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/	biom:PositionPolygonVertexQuantity	Corrected to include biom:ContextVideo for A/N 2015
21.016-D_21.016-E		0	99	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/	biom:PositionPolygonVertex	Corrected to include biom:ContextVideo for A/N 2015
21.016-D	HPO	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ biom:PositionPolygonVertex/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/ biom:PositionPolygonVertex/	biom:PositionHorizontalCoordinateValue	Corrected to include biom:ContextVideo for A/N 2015
21.016-E	VPO	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:imageSegment/ biom:PositionPolygonVertex/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:imageSegment/ biom:PositionPolygonVertex/	biom:PositionVerticalCoordinateValue	Corrected to include biom:ContextVideo for A/N 2015
21.019	TIX	0	99	itl:PackageAssociatedContextRecord/ biom:ContextAudio/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/	biom:TimeSegment	
21.019-A	TIS	1	1	itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:TimeSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:TimeSegment/	biom:TimeSegmentStartTimeValue	
21.019-B	TIE	1	1	itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:TimeSegment/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:TimeSegment/	biom:TimeSegmentEndTimeValue	
21.020	COM	0	1	itl:PackageAssociatedContextRecord/	biom:ContextCommentText	
21.021	ACN	1	1	itl:PackageAssociatedContextRecord/	biom:ContextIdentification/ nc:identificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.022	ICDR	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/	biom:ImageCaptureDateEstimateRange	New field for A/N 2013
21.046	SUB	0	1	itl:PackageAssociatedContextRecord/	biom:SubjectExistentialDetails	New field for A/N 2013
21.046-A	SSC	1	1	itl:PackageAssociatedContextRecord/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
21.046-B	SBSC	0	1	itl:PackageAssociatedContextRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	
21.046-C	SBCC	0	1	itl:PackageAssociatedContextRecord/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
21.047	CON	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	New field for A/N 2013
21.100_21.900	UDF	0	*	itl:PackageAssociatedContextRecord/	itl:UserDefinedFields	
21.902	ANN	0	*	itl:PackageAssociatedContextRecord/	biom:ProcessAnnotation	
21.902-A	GMT	1	1	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
21.902-B	NAV	1	1	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessName	
21.902-C	OWN	1	1	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
21.902-D	PRO	1	1	itl:PackageAssociatedContextRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
21.993	SAN	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
21.994	EFR	0	1	itl:PackageAssociatedContextRecord/	biom:ContextExternalFileReferenceText or biom:SourceExternalAnalogFileReferenceText or biom:SourceExternalDigitalImageReferenceText or biom:SourceExternalDigitalAudioReferenceText or biom:SourceExternalDigitalVideoReferenceText	
21.996	HAS	0	1	itl:PackageAssociatedContextRecord/	biom:ImageHashValue	
21.998	GEO	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/	biom:CaptureLocation	
21.998-A	UTE	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.998-B_21.998-I		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
21.998-B_21.998-D		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
21.998-B	LTD	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
21.998-C	LTM	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
21.998-D	LTS	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.998-E_21.998-G		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
21.998-E	LGD	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
21.998-F	LGM	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
21.998-G	LGS	0	1	itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
21.998-H	ELE	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.998-I	GDC	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
21.998-J_21.998-L		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
21.998-J	GCM	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
21.998-K	GCE	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
21.998-L	GCN	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
21.998-M	GRT	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
21.998-N_21.998-O		0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
21.998-N	OSI	1	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
21.998-O	OCV	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
21.999	DATA	0	1	itl:PackageAssociatedContextRecord/ biom:ContextImage/ or itl:PackageAssociatedContextRecord/ biom:ContextAudio/ or itl:PackageAssociatedContextRecord/ biom:ContextVideo/	nc:BinaryBase64Object	
22		0	*		itl:PackageNonPhotographicImageryRecord	New record for A/N 2013
22.001	XRCC	1	1	itl:PackageNonPhotographicImageryRecord/	biom:RecordCategoryCode	
22.002	IDC	1	1	itl:PackageNonPhotographicImageryRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
22.004_22.998		1	1	itl:PackageNonPhotographicImageryRecord/	biom:NonPhotographicImageryDetail	
22.003_22.998		1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:BiometricCaptureDetail	
22.003	ICD	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureDate/ nc:Date	
22.004_22.993		1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureOrganization	
22.004	SRC	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
22.005	ICDR	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:ImageCaptureDateEstimateRange	
22.006	BIC	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:ImageCategoryCode	Updated minimum occurrence from 1 to 0 for A/N 2015
22.020	COM	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:NonPhotographicImageryCommentText	
22.046	SUB	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:SubjectExistentialDetails	
22.046-A	SSC	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails/	biom:SubjectExistentialStatusCode	
22.046-B	SBSC	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails/	biom:SubjectBodyStatusCode	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
22.046-C	SBCC	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails/	biom:SubjectBodyClassCode	
22.047	CON	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationUnitName	
22.101	ITYP	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:NonPhotographicImageTypeCode	
22.102	IFMT	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:NonPhotographicImageFormatCode	
22.103	DRID	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/	biom:DentalRadiographImageInformation	
22.103-A	RGS	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation/	biom:RadiographSize	
22.103-B	RIS	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation/	biom:RadiographImageSeries	
22.103-C	RIIS	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation/	biom:RadiographImageSeriesText	
22.103-D	RIIT	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation/	biom:RadiographImageInformationText	
22.200_22.900	UDF	0	*	itl:PackageNonPhotographicImageryRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
22.902	ANN	0	*	itl:PackageNonPhotographicImageryRecord/	biom:ProcessAnnotation	
22.902-A	GMT	1	1	itl:PackageNonPhotographicImageryRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
22.902-B	NAV	1	1	itl:PackageNonPhotographicImageryRecord/ biom:ProcessAnnotation/	biom:ProcessName	
22.902-C	OWN	1	1	itl:PackageNonPhotographicImageryRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
22.902-D	PRO	1	1	itl:PackageNonPhotographicImageryRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
22.903	DUI	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureDeviceIdentification/ nc:IdentificationID	
22.904-A	MAK	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureDeviceMakeText	
22.904-B	MOD	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureDeviceModelText	
22.904-C	SER	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureDeviceSerialNumberText	
22.992	T2C	1	1	itl:PackageNonPhotographicImageryRecord/	biom:Type2CrossReferenceIdentification/ nc:IdentificationID	
22.993	SAN	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
22.994	EFR	0	1	itl:PackageNonPhotographicImageryRecord/	biom:SourceExternalDigitalImageReferenceText or biom:SourceExternalAnalogFileReferenceText	
22.995	ASC	0	255	itl:PackageNonPhotographicImageryRecord/	biom:AssociatedContext	
22.995-A	ACN	1	1	itl:PackageNonPhotographicImageryRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:IdentificationID	
22.995-B	ASP	0	1	itl:PackageNonPhotographicImageryRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	
22.996	HAS	0	1	itl:PackageNonPhotographicImageryRecord/	biom:ImageHashValue	
22.997	SOR	0	255	itl:PackageNonPhotographicImageryRecord/	biom:SourceRepresentation	
22.997-A	SRN	1	1	itl:PackageNonPhotographicImageryRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:IdentificationID	
22.997-B	RSP	0	1	itl:PackageNonPhotographicImageryRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:IdentificationID	
22.998	GEO	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureLocation	
22.998-A	UTE	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
22.998-B_22.998-I		0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationTwoDimensionalGeographicCoordinate	
22.998-B_22.998-D		0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
22.998-B	LTD	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
22.998-C	LTM	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
22.998-D	LTS	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
22.998-E_22.998-G		0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
22.998-E	LGD	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
22.998-F	LGM	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
22.998-G	LGS	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/ or itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
22.998-H	ELE	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
22.998-I	GDC	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANS/NIST-ITL 1-2011 Update:2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
22.998-J_22.998-L		0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
22.998-J	GCM	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	
22.998-K	GCE	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
22.998-L	GCN	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
22.998-M	GRT	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
22.998-N_22.998-O		0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
22.998-N	OSI	1	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
22.998-O	OCV	0	1	itl:PackageNonPhotographicImageryRecord/ biom:NonPhotographicImageryDetail/ biom:BiometricCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
22.999	DATA	0	1	itl:PackageNonPhotographicImageryRecord/	nc:BinaryBase64Object	
98		0	*		itl:PackageInformationAssuranceRecord	
98.001	XRCC	1	1	itl:PackageInformationAssuranceRecord/	biom:RecordCategoryCode	
98.002	IDC	1	1	itl:PackageInformationAssuranceRecord/	biom:ImageReferenceIdentification/ nc:IdentificationID	
98.003	DFO	1	1	itl:PackageInformationAssuranceRecord/	biom:AssuranceFormatOwnerIdentification/ nc:IdentificationID	
98.004_98.993		1	1	itl:PackageInformationAssuranceRecord/	biom:AssuranceOrganization	
98.004	SRC	1	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceOrganization/	nc:OrganizationIdentification/ nc:IdentificationID	
98.005	DFT	1	1	itl:PackageInformationAssuranceRecord/	biom:AssuranceFormatIdentification/ nc:IdentificationID	
98.006	DCD	1	1	itl:PackageInformationAssuranceRecord/	biom:AssuranceDate/Time/ nc:DateTime	Updated nc.Date to nc.DateTime for A/N 2015
98.200_98.899	UDF	0	*	itl:PackageInformationAssuranceRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
98.900	ALF	0	*	itl:PackageInformationAssuranceRecord/	biom:AssuranceLogEntry	
98.900-A	EVT	1	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceLogEntry/	biom:AssuranceLogEventCode	
98.900-B	EVR	0	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceLogEntry/	biom:AssuranceLogEventReasonText	
98.900-C	IID	1	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceLogEntry/	biom:AssuranceLogEventLocationText	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
98.900-D	AGT	1	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceLogEntry/	biom:AssuranceLogAgentText	
98.900-E	OLD	0	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceLogEntry/	biom:AssuranceLogEventOriginalValueText	
98.901	ARN	0	1	itl:PackageInformationAssuranceRecord/	biom:AssuranceAuditRevisionIdentification/ nc:identificationID	
98.993	SAN	0	1	itl:PackageInformationAssuranceRecord/ biom:AssuranceOrganization/	nc:OrganizationName	
99		0	*		Itl:PackageCBEFFBiometricDataRecord	
99.001	XRCC	1	1	itl:PackageCBEFFBiometricDataRecord/	biom:RecordCategoryCode	
99.002	IDC	1	1	itl:PackageCBEFFBiometricDataRecord/	biom:ImageReferenceIdentification/ nc:identificationID	
99.004_99.999		1	1	itl:PackageCBEFFBiometricDataRecord/	biom:CBEFFImage	
99.004_99.998		1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:ImageCaptureDetail	
99.004_99.993		1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureOrganization	
99.004	SRC	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationIdentification/ nc:identificationID	
99.005	BCD	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDate/ nc:Date	
99.100	HDV	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFVersionIdentification/ nc:identificationID	
99.101	BTY	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFCategoryCode	
99.102	BDQ	0	9	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:ImageQuality	
99.102-A	QVU	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityValue	
99.102-B	QAV	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityAlgorithmVendorIdentification/ nc:identificationID	
99.102-C	QAP	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageQuality/	biom:QualityAlgorithmProductIdentification/ nc:identificationID	
99.103	BFO	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFFormatOwnerIdentification/ nc:identificationID	
99.104	BFT	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	biom:CBEFFFormatCategoryIdentification/ nc:identificationID	
99.200_99.900	UDF	0	*	itl:PackageCBEFFBiometricDataRecord/	itl:UserDefinedFields	This element is abstract and must be substituted with a user-defined element.
99.902	ANN	0	*	itl:PackageCBEFFBiometricDataRecord/	biom:ProcessAnnotation	
99.902-A	GMT	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessUTCDate/ nc:DateTime	
99.902-B	NAV	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessName	
99.902-C	OWN	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessOwnerText	
99.902-D	PRO	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:ProcessAnnotation/	biom:ProcessDescriptionText	
99.903	DUI	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceIdentification/ nc:identificationID	
99.904-A	MAK	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceMakeText	
99.904-B	MOD	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceModelText	
99.904-C	SER	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureDeviceSerialNumberText	
99.993	SAN	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureOrganization/	nc:OrganizationName	
99.995	ASC	0	255	itl:PackageCBEFFBiometricDataRecord/	biom:AssociatedContext	
99.995-A	ACN	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:AssociatedContext/	biom:ContextIdentification/ nc:identificationID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
99.995-B	ASP	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:AssociatedContext/	biom:ImageSegmentIdentification/ nc:IdentificationID	
99.996	HAS	0	1	itl:PackageCBEFFBiometricDataRecord/	biom:ImageHashValue	
99.997	SOR	0	255	itl:PackageCBEFFBiometricDataRecord/	biom:SourceRepresentation	
99.997-A	SRN	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:SourceRepresentation/	biom:SourceIdentification/ nc:IdentificationID	
99.997-B	RSP	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:SourceRepresentation/	biom:ImageSegmentIdentification/ nc:IdentificationID	
99.998	GEO	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureLocation	
99.998-A	UTE	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/	biom:CaptureUTCDateTime/ nc:DateTime	
99.998-B_99.998-I		0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationTwoDimensionalGeographicCoordinate	
99.998-B_99.998-D		0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLatitude	
99.998-B	LTD	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeDegreeValue	
99.998-C	LTM	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeMinuteValue	
99.998-D	LTS	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLatitude/	nc:LatitudeSecondValue	
99.998-E_99.998-G		0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	nc:GeographicCoordinateLongitude	
99.998-E	LGD	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeDegreeValue	
99.998-F	LGM	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeMinuteValue	
99.998-G	LGS	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/ nc:GeographicCoordinateLongitude/	nc:LongitudeSecondValue	
99.998-H	ELE	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationGeographicElevation/	nc:MeasurePointValue	
99.998-I	GDC	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationTwoDimensionalGeographicCoordinate/	biom:GeodeticDatumCoordinateSystemCode or biom:GeodeticDatumCoordinateSystemName	biom:GeodeticDatumCoordinateSystemCode is used for specific values in Table 6 of ANSI/NIST-ITL 1-2011 Update: 2013. biom:GeodeticDatumCoordinateSystemName is used for user-defined "other" values (entries up to 6 characters).
99.998-J_99.998-L		0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationUTMCoordinate	
99.998-J	GCM	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMGridZoneID	

Field ID	Mnemonic	Min	Max	XML Parent	XML Element	Notes
99.998-K	GCE	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMEastingValue	
99.998-L	GCN	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ nc:LocationUTMCoordinate/	nc:UTMNorthingValue	
99.998-M	GRT	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	nc:LocationDescriptionText	
99.998-N_99.998-O		0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/	biom:LocationAlternateGeographicSystemValue	
99.998-N	OSI	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationSystemName	
99.998-O	OCV	0	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/ biom:ImageCaptureDetail/ biom:CaptureLocation/ biom:LocationAlternateGeographicSystemValue/	biom:GeographicLocationText	
99.999	DATA	1	1	itl:PackageCBEFFBiometricDataRecord/ biom:CBEFFImage/	nc:BinaryBase64Object	