

# ***Record/Field Cross Reference Lookup Table (Sorted by Field Number)***

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## Type-1 Transaction Information Record

Field ID	Field Name	XML Parent	NIEM Element
1.002-A	VER	itl:PackageInformationRecord/itl:Transaction	itl:TransactionMajorVersionValue
1.002-B	VER	itl:PackageInformationRecord/itl:Transaction	itl:TransactionMinorVersionValue
1.003	CNT	itl:PackageInformationRecord/itl:Transaction	itl:TransactionContentSummary
1.003-B	CRC	itl:PackageInformationRecord/itl:Transaction/itl:TransactionContentSummary	itl:ContentRecordQuantity
1.003-C-D		itl:PackageInformationRecord/itl:Transaction/itl:TransactionContentSummary	itl:ContentRecordSummary
1.003-C	REC	itl:PackageInformationRecord/itl:Transaction/itl:TransactionContentSummary/ itl:ContentRecordSummary	itl:RecordCategoryCode
1.003-D	IDC	itl:PackageInformationRecord/itl:Transaction/itl:TransactionContentSummary/ itl:ContentRecordSummary	biom:ImageReferenceID
1.004	TOT	itl:PackageInformationRecord/itl:Transaction	itl:TransactionCategoryAbstract
1.005	DAT	itl:PackageInformationRecord/itl:Transaction	itl:TransactionDate
1.006	PRY	itl:PackageInformationRecord/itl:Transaction	itl:TransactionPriorityValue
1.007	DAI	itl:PackageInformationRecord/itl:Transaction/itl:TransactionDestinationAgency	nc:IdentificationID
1.008	ORI	itl:PackageInformationRecord/itl:Transaction/itl:TransactionOriginatingAgency	nc:IdentificationID
1.009	TCN	itl:PackageInformationRecord/itl:Transaction	itl:TransactionControlNumberID
1.010	TCR	itl:PackageInformationRecord/itl:Transaction	itl:TransactionControlReferenceNumberID
1.011	NSR	itl:PackageInformationRecord/itl:Transaction/itl:TransactionImageResolutionDetails	biom:NativeScanningResolutionValue
1.012	NTR	itl:PackageInformationRecord/itl:Transaction/itl:TransactionImageResolutionDetails	biom:NominalTransmittingResolutionValue
1.013	DOM	itl:PackageInformationRecord/itl:Transaction	itl:TransactionDomain
1.013-A	DNM	itl:PackageInformationRecord/itl:Transaction/itl:TransactionDomain	itl:TransactionDomainName
1.013-B	DVN	itl:PackageInformationRecord/itl:Transaction/itl:TransactionDomain	itl:DomainVersionNumberID
1.014	GMT	itl:PackageInformationRecord/itl:Transaction	itl:TransactionUTCDate

## Type-1 Transaction Information Record

Field ID	Field Name	XML Parent	NIEM Element
1.015	DCS	itl:PackageInformationRecord/itl:Transaction	itl:TransactionCharacterSetDirectory
1.015-A	CSI	itl:PackageInformationRecord/itl:Transaction/itl:TransactionCharacterSetDirectory	itl:CharacterSetIndexCode
1.015-B	CSN	itl:PackageInformationRecord/itl:Transaction/itl:TransactionCharacterSetDirectory	itl:CharacterSetCommonNameCode
1.015-C	CSV	itl:PackageInformationRecord/itl:Transaction/itl:TransactionCharacterSetDirectory	itl:CharacterSetVersionID
1.016	APS	itl:PackageInformationRecord/itl:Transaction	itl:TransactionApplicationProfile
1.016-A	APO	itl:PackageInformationRecord/itl:Transaction/itl:TransactionApplicationProfile	biom:ApplicationProfileOrganizationName
1.016-B	APN	itl:PackageInformationRecord/itl:Transaction/itl:TransactionApplicationProfile	biom:ApplicationProfileName
1.016-C	APV	itl:PackageInformationRecord/itl:Transaction/itl:TransactionApplicationProfile	itl:ApplicationProfileVersionNumberID
1.017	AMN	itl:PackageInformationRecord/itl:Transaction	itl:TransactionDestinationAgency
1.017-A	DAN	itl:PackageInformationRecord/itl:Transaction/itl:TransactionDestinationAgency	itl:AgencyName
1.017-B	OAN	itl:PackageInformationRecord/itl:Transaction/itl:TransactionOriginatingAgency	itl:AgencyName
1.018	GNS	itl:PackageInformationRecord/itl:Transaction	itl:TransactionGeographicNameSetCode

## Type-2 User-Defined Descriptive Text Record

Field ID	Field Name	XML Parent	NIEM Element
2.002	IDC	itl:PackageDescriptiveTextRecord	biom:ImageReferenceID
2.003+	UDF	itl:PackageDescriptiveTextRecord	itl:UserDefinedFields

## Type-4 Grayscale Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
4.002	IDC	itl:PackageLegacyFingerprintImageRecord	biom:ImageReferenceID
4.003	IMP	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	biom:FingerprintLegacyImageImpressionCaptureCategoryCode
4.004	FGP	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	biom:LegacyExemplarFingerPositionCode
4.005	ISR	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	biom:ScanningResolutionCategoryCode
4.006	HLL	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	biom:ImageHorizontalLineLengthPixelQuantity
4.007	VLL	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	biom:ImageVerticalLineLengthPixelQuantity
4.008	CGA	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	itl:LegacyImageCompressionAlgorithmCode
4.009	IMG	itl:PackageLegacyFingerprintImageRecord/itl:FingerprintLegacyImageData	nc:Base64BinaryObject

## Type-7 User-Defined Image Record

Field ID	Field Name	XML Parent	NIEM Element
7.002	IDC	itl:PackageUserDefinedImageRecord	biom:ImageReferenceID
7.003+	UDF	itl:PackageUserDefinedImageRecord	itl:UserDefinedFields
7.999	UDF	itl:PackageUserDefinedImageRecord	biom:BiometricImageAbstract

## Type-8 Signature Image Record

Field ID	Field Name	XML Parent	NIEM Element
8.002	IDC	itl:PackageSignatureImageRecord	biom:ImageReferenceID
8.003	SIG	itl:PackageSignatureImageRecord/itl:SignatureImage	itl:SignatureCategoryCode
8.004	SRT	itl:PackageSignatureImageRecord/itl:SignatureImage	itl:SignatureRepresentationCode
8.005	ISR	itl:PackageSignatureImageRecord/itl:SignatureImage	biom:ScanningResolutionCategoryCode
8.006	HLL	itl:PackageSignatureImageRecord/itl:SignatureImage	biom:ImageHorizontalLineLengthPixelQuantity
8.007	VLL	itl:PackageSignatureImageRecord/itl:SignatureImage	biom:ImageVerticalLineLengthPixelQuantity
8.008	DATA	itl:PackageSignatureImageRecord/itl:SignatureImage	nc:Base64BinaryObject -or- itl:SignatureImageVectorList
8.008-A-C	DATA	itl:PackageSignatureImageRecord/itl:SignatureImage/itl:SignatureImageVectorList	itl:SignatureImageVector
8.008-A	VXC	itl:PackageSignatureImageRecord/itl:SignatureImage/itl:SignatureImageVectorList/ itl:SignatureImageVector	itl:VectorPositionHorizontalCoordinateValue
8.008-B	VYC	itl:PackageSignatureImageRecord/itl:SignatureImage/itl:SignatureImageVectorList/ itl:SignatureImageVector	itl:VectorPositionVerticalCoordinateValue
8.008-C	VPEN	itl:PackageSignatureImageRecord/itl:SignatureImage/itl:SignatureImageVectorList/ itl:SignatureImageVector	itl:VectorPenPressureValue

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.002	IDC	itl:PackageMinutiaeRecord	biom:ImageReferenceID
9.003	IMP	itl:PackageMinutiaeRecord	itl:FrictionRidgeImpressionCaptureCode
9.005 to 9.012		itl:PackageMinutiaeRecord	itl:Minutiae
9.005	OFR	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard	itl:MinutiaeReadingSystem
9.005-A	RSD	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/ itl:MinutiaeReadingSystem	itl:ReadingSystemCodingMethodCode
9.005-B	RSN	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/ itl:MinutiaeReadingSystem	itl:ReadingSystemName
9.005-C	SSI	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/ itl:MinutiaeReadingSystem	itl:ReadingSystemSubsystemID
9.006	FGP	itl:PackageMinutiaeRecord/itl:Minutiae	biom:LatentFrictionRidgePositionCode
9.007	FPC	itl:PackageMinutiaeRecord/itl:Minutiae	itl:MinutiaeFingerPatternDetail
9.007-A	RSD	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeFingerPatternDetail	itl:FingerPatternCodeSourceCode
9.007-B	PCC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeFingerPatternDetail	itl:FingerPatternCode [itl:FingerPatternText]
9.008	CRP	itl:PackageMinutiaeRecord/itl:Minutiae	itl:FrictionRidgePatternCoreLocation
9.008-A	MXC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:FrictionRidgePatternCoreLocation	biom:PositionHorizontalCoordinateValue
9.008-B	MYC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:FrictionRidgePatternCoreLocation	biom:PositionVerticalCoordinateValue
9.009	DLT	itl:PackageMinutiaeRecord/itl:Minutiae	itl:FrictionRidgePatternDeltaLocation
9.009-A	MXC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:FrictionRidgePatternDeltaLocation	biom:PositionHorizontalCoordinateValue
9.009-B	MYC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:FrictionRidgePatternDeltaLocation	biom:PositionVerticalCoordinateValue
9.010	MIN	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard	biom:MinutiaeQuantity
9.011	RDG	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard	itl:MinutiaeRidgeCountIndicator
9.012	MRC	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard	itl:MinutiaDetail



## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.012-A	IDX	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:MinutiaID
9.012-Bx		itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:PositionVerticalCoordinateValue
9.012-By		itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:PositionHorizontalCoordinateValue
9.012-Bz		itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:PositionThetaAngleMeasure
9.012-C	QMS	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	itl:MinutiaLegacyQualityValue
9.012-D	MTD	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:MinutiaCategoryCode
9.012-E	RCD	itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail	biom:MinutiaRidgeCount
9.012-Ea		itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail/ biom:MinutiaRidgeCount	biom:RidgeCountReferenceID
9.012-Eb		itl:PackageMinutiaeRecord/itl:Minutiae/itl:MinutiaeNISTStandard/itl:MinutiaDetail/ biom:MinutiaRidgeCount	biom:RidgeCountValue
9.126 to 9.150	INCITS	itl:PackageMinutiaeRecord	biom:INCITSMinutiae
9.126-C	CPI	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:CBEFFProductID
9.127-A	AFS	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:DeviceCertificationCode
9.127-B	CID	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:DeviceID
9.128	HLL	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:HorizontalLineLengthPixelQuantity
9.129	VLL	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:VerticalLineLengthPixelQuantity
9.130	SLC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:ImageScaleUnitsCode
9.131	THPS	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:ImageHorizontalPixelDensityValue
9.132	TVPS	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:ImageVerticalPixelDensityValue
9.133	FWV	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:FingerViewNumeric
9.134	FGP	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:FingerPositionCode

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.135	FQD	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:MinutiaeQuality
9.135-A	QVU	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeQuality	biom:QualityValue
9.135-B	QAV	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeQuality	biom:QualityAlgorithmVendorID
9.135-C	QAP	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeQuality	biom:QualityAlgorithmProductID
9.136	NOM	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:MinutiaeQuantity
9.137	FMD	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:INCITSMinutia
9.137-A	MAN	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia	biom:MinutiaID
9.137-B	MXC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia/ biom:INCITSMinutiaLocation/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.137-C	MYC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia/ biom:INCITSMinutiaLocation/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.137-D	MAV	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia/ biom:INCITSMinutiaLocation	biom:SmallThetaAngleMeasure
9.137-E	M1M	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia	biom:INCITSMinutiaCategoryCode
9.137-F	QOM	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:INCITSMinutia	biom:MinutiaQualityValue
9.138	RCI	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:MinutiaeRidgeCountDetail
9.138-A	REM	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeRidgeCountDetail	biom:INCITSRidgeCountAlgorithmCode
9.138-D-F	MRI	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeRidgeCountDetail	biom:MinutiaeRidgeCountItem
9.138-D	CMI	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem	biom:MinutiaID
9.138-E	NMN	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem	biom:MinutiaReferenceID
9.138-F	NRC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/biom:MinutiaeRidgeCountDetail/ biom:MinutiaeRidgeCountItem	biom:RidgeCountValue
9.139	CIN	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:FingerprintPatternCoreLocation

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.139-A	XCC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.139-B	YCC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.139-C	ANGC	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternCoreLocation	biom:SmallThetaAngleMeasure
9.140	DIN	itl:PackageMinutiaeRecord/biom:INCITSMinutiae	biom:FingerprintPatternDeltaLocation
9.140-A	XCD	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.140-B	YCD	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.140-C	ANG1	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation	biom:SmallThetaAngleMeasure
9.141-A	ANG2	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation	biom:SmallThetaAngleMeasure
9.141-B	ANG3	itl:PackageMinutiaeRecord/biom:INCITSMinutiae/ biom:FingerprintPatternDeltaLocation	biom:SmallThetaAngleMeasure
9.176 to 9.225		itl:PackageMinutiaeRecord	biom:OtherMinutiae
9.176	OOD	itl:PackageMinutiaeRecord/biom:OtherMinutiae	biom:MinutiaeAlgorithmOwnerText
9.177	PAG	itl:PackageMinutiaeRecord/biom:OtherMinutiae	biom:MinutiaeAlgorithm
9.177-A	PAN	itl:PackageMinutiaeRecord/biom:OtherMinutiae/biom:MinutiaeAlgorithm	biom:MinutiaeAlgorithmName
9.177-B	PAV	itl:PackageMinutiaeRecord/biom:OtherMinutiae/biom:MinutiaeAlgorithm	biom:MinutiaeAlgorithmVersionText
9.178	SOD	itl:PackageMinutiaeRecord/biom:OtherMinutiae	biom:CaptureDevice
9.178-A	OFN	itl:PackageMinutiaeRecord/biom:OtherMinutiae/biom:CaptureDevice	biom:DeviceName
9.178-B	OFV	itl:PackageMinutiaeRecord/biom:OtherMinutiae/biom:CaptureDevice	biom:DeviceVersionText
9.179	DTX	itl:PackageMinutiaeRecord/biom:OtherMinutiae	nc:ContactInformationDescriptionText

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.180 to 9.225	UDF	itl:PackageMinutiaeRecord/biom:OtherMinutiae	biom:MinutiaAbstract
9.300 to 9.399	EXT	itl:PackageMinutiaeRecord	biom:ExtendedFeatureSetMinutiae
9.300	ROI	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageRegionOfInterest
9.300-A	EWI	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest	biom:ImageSegmentWidthMeasure
9.300-B	EHl	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest	biom:ImageSegmentHeightMeasure
9.300-C	EHO	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest	biom:ImageSegmentHorizontalOffsetMeasure
9.300-D	EVO	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest	biom:ImageSegmentVerticalOffsetMeasure
9.300-E	ROP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest -or- itl:PackageMinutiaeRecord/ biom:ExtendedFeatureSetMinutiae/biom:FrictionRidgeImageRegionOfInterest/ biom:ImageSegmentPolygon	biom:ImageSegmentPolygon -or- biom:PositionPolygonVertex
9.300-Ea		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.300-Eb		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRegionOfInterest/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.301	ORT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FingerprintImageFingerprintOrientation
9.301-A	EOD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation	biom:OrientationAngleValue
9.301-B	EUC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FingerprintImageFingerprintOrientation	biom:OrientationAngleUncertaintyValue
9.302	FPP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeFrictionRidgeLocation
9.302-A	FGP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation	biom:LatentFrictionRidgePositionCode

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.302-B	FSM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation	biom:SegmentLocationCode
9.302-C	OCF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation	biom:FingerprintOffCenterCode
9.302-D	SGP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/biom:ImageSegmentPolygon	biom:PositionPolygonVertex
9.302-Da		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.302-Db		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFrictionRidgeLocation/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.303	FSP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:ExtendedFeatureSetProfileCode
9.307	PAT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FingerprintPatternClassification
9.307-A	GCF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification	biom:FingerprintPatternGeneralClassCode
9.307-B	SUB	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification	biom:FingerprintPatternSubClassCode
9.307-C	WDR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FingerprintPatternClassification	biom:FingerprintPatternWhorlDeltaRelationshipCode
9.308	RQM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap	biom:MinutiaeRidgeQualityMapRowText
9.309	RQF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeQualityMap
9.309-A	GSZ	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap	biom:MinutiaeRidgeQualityMapCellSizeValue
9.309-B	RDF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeQualityMap	biom:MinutiaeRidgeQualityMapFormatCode
9.310	RFM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap	biom:MinutiaeRidgeFlowMapRowText

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.311	RFF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeFlowMap
9.311-A	SFQ	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap	biom:MinutiaeRidgeFlowMapSamplingFrequencyValue
9.311-B	RDF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeFlowMap	biom:MinutiaeRidgeFlowMapFormatCode
9.312	RWM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap	biom:MinutiaeRidgeWavelengthMapRowText
9.313	RWF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeWavelengthMap
9.313-A	FWS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap	biom:MinutiaeRidgeWavelengthMapSamplingFrequencyValue
9.313-B	FDF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeWavelengthMap	biom:MinutiaeRidgeWavelengthMapFormatCode
9.314	TRV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageTonalReversalCode
9.315	PLR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageLateralReversalCode
9.316	FQM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:ImageQuality
9.316-A	QVU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:ImageQuality	biom:QualityValue
9.316-B	QAV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:ImageQuality	biom:QualityAlgorithmVendorID
9.316-C	QAP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:ImageQuality	biom:QualityAlgorithmProductID
9.317	PGS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeGrowthOrShrinkage
9.317-A	TGS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeGrowthOrShrinkage	biom:MinutiaeGrowthOrShrinkageCode
9.317-B	CGS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeGrowthOrShrinkage	biom:MinutiaeCommentText
9.320	COR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeCore
9.320-A	CXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeCore/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.320-B	CYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeCore/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.320-C	CDI	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeCore	biom:MinutiaeCoreDirectionMeasure
9.320-D	RPU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeCore	biom:ImageLocationUncertaintyRadiusMeasure
9.320-E	DUY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeCore	biom:MinutiaeCoreDirectionUncertaintyValue
9.321	DEL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeDelta
9.321-A	DXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.321-B	DYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.321-C	DUP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionUpMeasure
9.321-D	DLF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionLeftMeasure
9.321-E	DRT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionRightMeasure
9.321-F	DTP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaCategoryCode
9.321-G	RPU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:ImageLocationUncertaintyRadiusMeasure
9.321-H	DUU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionUpUncertaintyValue
9.321-I	DUL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionLeftUncertaintyValue
9.321-J	DUR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDelta	biom:MinutiaeDeltaDirectionRightUncertaintyValue
9.322	CDR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeCountCoreToDelta
9.322-A	CIX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta	biom:CoreID
9.322-B	DIX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta	biom:DeltaID
9.322-C	MNRC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta	biom:RidgeCountMinimumValue

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.322-D	MXRC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountCoreToDelta	biom:RidgeCountMaximumValue
9.323	CPR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageCenter
9.323-A	CPM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter	biom:FrictionRidgeImageCenterLocationMethodCode
9.323-B	PXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter	biom:ImageLocationHorizontalCoordinateMeasure
9.323-C	PYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter	biom:ImageLocationVerticalCoordinateMeasure
9.323-D	CRU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageCenter	biom:ImageLocationUncertaintyRadiusMeasure
9.324	DIS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeDistinctiveFeature
9.324-A	DIT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature	biom:MinutiaeDistinctiveFeatureCategoryCode
9.324-B	DFP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/biom:ImageSegmentPolygon	biom:PositionPolygonVertex
9.324-Ba		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.324-Bb		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.324-C	DFC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeDistinctiveFeature	biom:MinutiaeCommentText
9.325	NCOR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoCoresPresentIndicator
9.326	NDEL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoDeltasPresentIndicator
9.327	NDIS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoDistinctiveFeaturesPresentIndicator
9.331	MIN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:EFSTMinutia



## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.331-A	MXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.331-B	MYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.331-C	MTD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia	biom:ImageLocationThetaAngleMeasure
9.331-D	MTY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia	biom:MinutiaCategoryCode
9.331-E	MRU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia	biom:ImageLocationUncertaintyRadiusMeasure
9.331-F	MDU	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSMinutia	biom:MinutiaDirectionUncertaintyValue
9.332	MRA	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:EFSRidgeCountAlgorithmCode
9.333	MRC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:EFSRidgeCountItem
9.333-A	MIA	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem	biom:MinutiaID
9.333-B	MIB	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem	biom:MinutiaReferenceID
9.333-C	MIR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem	biom:RidgeCountValue
9.333-D	MRN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem	biom:MinutiaeRidgeCountOctantNumeric
9.333-E	MRS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSRidgeCountItem	biom:MinutiaeRidgeCountResidualCode
9.334	NMIN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoMinutiaePresentIndicator
9.335	RCC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeCountConfidence
9.335-A-D	PNT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence	biom:ImageFeatureVertex
9.335-A, 9.335-C	HCX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.335-B, 9.335-D	VCY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.335-E	MORC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence	biom:MinutiaeRidgeCountMethodCode
9.335-F	MCV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeCountConfidence	biom:MinutiaeRidgeCountConfidenceValue
9.340	DOT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeDot
9.340-A	DOX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDot/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.340-B	DOY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDot/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.340-C	DOL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaeDot	biom:MinutiaeDotLengthMeasure
9.341	INR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeIncipientRidge
9.341-A-D	LP1	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge	biom:ImageFeatureVertex
9.341-A, 9.341-C	HXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.341-B, 9.341-D	VYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeIncipientRidge/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.342	CLD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeFlexionCrease
9.342-A-D	LP1	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease	biom:ImageFeatureVertex
9.342-A, 9.342-C	HXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.342-B, 9.342-D	VYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.342-E	TPD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFlexionCrease	biom:MinutiaeFlexionCreaseCategoryCode

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.343	REF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeRidgeEdgeOrDiscontinuity
9.343-A-B	VTX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity	biom:ImageFeatureVertex
9.343-A	CLX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.343-B	CLY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.343-C	CLT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeRidgeEdgeOrDiscontinuity	biom:MinutiaeRidgeEdgeOrDiscontinuityCategoryCode
9.344	NPOR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoPoresPresentIndicator
9.345	POR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaePore
9.345-A	POX	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaePore	biom:PositionHorizontalCoordinateValue
9.345-B	POY	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:MinutiaePore	biom:PositionVerticalCoordinateValue
9.346	NDOT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoDotsPresentIndicator
9.347	NINR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoIncipientRidgesPresentIndicator
9.348	NCLD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoCreasesPresentIndicator
9.349	NREF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeNoRidgeEdgeFeaturesPresentIndicator
9.350	MFD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeFeatureDetection
9.350-A	FIE	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeFeatureDetectionFieldListText
9.350-B	FME	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeFeatureDetectionMethodCode
9.350-C	FAV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeAlgorithmVendorID
9.350-D	FAL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeAlgorithmID

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.350-E	ESN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/biom:MinutiaeExaminerName	nc:PersonSurName
9.350-F	EGN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection/biom:MinutiaeExaminerName	nc:PersonGivenName
9.350-G	EAF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	nc:OrganizationName
9.350-H	EMT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeFeatureDetectionDateTime
9.350-I	NTS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureDetection	biom:MinutiaeCommentText
9.351	COM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeCommentText
9.352	LPM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:LatentProcessingCategoryCode
9.353	EAA	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeValueAssessment
9.353-A	AAV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment	biom:MinutiaeValueAssessmentResultCode
9.353-B	ALN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/biom:MinutiaeExaminerName	nc:PersonSurName
9.353-C	AFN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment/biom:MinutiaeExaminerName	nc:PersonGivenName
9.353-D	AAF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment	nc:OrganizationName
9.353-E	AMT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment	biom:MinutiaeValueAssessmentDateTime
9.353-F	ACM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment	biom:MinutiaeCommentText
9.353-G	CXF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeValueAssessment	biom:MinutiaeAnalysisComplexityCode
9.354	EOF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeFraudEvidence

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.354-A	FRA	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFraudEvidence	biom:MinutiaeFraudEvidenceCategoryCode
9.354-B	CFD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFraudEvidence	biom:MinutiaeCommentText
9.355	LSB	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeLatentSubstrate
9.355-A	CLS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentSubstrate	biom:MinutiaeLatentSubstrateCategoryCode
9.355-B	OSD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentSubstrate	biom:MinutiaeLatentSubstrateDescriptionText
9.356	LMT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeLatentMatrix
9.356-A	TOM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentMatrix	biom:MinutiaeLatentMatrixCategoryCode
9.356-B	CLA	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLatentMatrix	biom:MinutiaeCommentText
9.357	LQI	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeLocalQualityIssues
9.357-A	LQT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues	biom:MinutiaeLocalQualityIssuesCategoryCode
9.357-B	LQP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/biom:ImageSegmentPolygon	biom:PositionPolygonVertex
9.357-Ba		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.357-Bb		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.357-C	LQC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeLocalQualityIssues	biom:MinutiaeCommentText
9.360	AOC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageAreaOfCorrespondence

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.360-A	CIR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence	biom:ImageReferenceID
9.360-B	AOP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/biom:ImageSegmentPolygon	biom:PositionPolygonVertex
9.360-Ba		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
9.360-Bb		itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence/biom:ImageSegmentPolygon/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
9.360-C	CAC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageAreaOfCorrespondence	biom:MinutiaeCommentText
9.361	CPF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeFeatureCorrespondence
9.361-A	COL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence	biom:FeatureLabelID
9.361-B	TOC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence	biom:MinutiaeFeatureCorrespondenceCategoryCode
9.361-C	CFN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence	biom:MinutiaeFeatureCategoryCode
9.361-D	FOC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence	biom:CorrespondingSubfieldID
9.361-E	CXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.361-F	CYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.361-G	COC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeFeatureCorrespondence	biom:MinutiaeCommentText
9.362	ECD	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:MinutiaeExaminerComparisonDetermination
9.362-A	EDC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:ImageReferenceID

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.362-B	EDE	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:MinutiaeExaminerComparisonDeterminationResultCode
9.362-C	WIP	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:MinutiaeExaminerProgressCode
9.362-D	ELN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/biom:MinutiaeExaminerName	nc:PersonSurName
9.362-E	EFN	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination/biom:MinutiaeExaminerName	nc:PersonGivenName
9.362-F	EAF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	nc:OrganizationName
9.362-G	DTG	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:MinutiaeExaminerComparisonDeterminationDateTime
9.362-H	CZZ	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:MinutiaeCommentText
9.362-I	CCF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeExaminerComparisonDetermination	biom:MinutiaeComparisonComplexityCode
9.363	RRC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeImageRelativeRotation
9.363-A	RIR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation	biom:ImageReferenceID
9.363-B	ROR	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:FrictionRidgeImageRelativeRotation	biom:ImageRelativeOverallRotationValue
9.372	SIM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:FrictionRidgeSkeletonizedImageBinaryObject
9.373	RPS	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePath	biom:MinutiaeRidgePathSegment
9.373-A	HPO	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePath/biom:MinutiaeRidgePathSegment/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.373-B	VPO	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:MinutiaeImageRidgePath/biom:MinutiaeRidgePathSegment/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue

## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.380	TPL	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:EFSTemporaryLine
9.380-A-D	ISV	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine	biom:ImageFeatureVertex
9.380-A, 9.380-C	HXC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
9.380-B, 9.380-D	VYC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
9.380-E	TLC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine	biom:FeatureLineColorValue
9.380-F	TLT	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/ biom:EFSTemporaryLine	biom:FeatureLineThicknessValue
9.381	FCC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae	biom:EFSFeatureColor
9.381-A	FTF	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSFeatureColor	biom:FeatureColorFieldReferencedCode
9.381-B	FTO	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSFeatureColor	biom:FeatureColorFieldOccurrenceReferencedValue
9.381-C	FTC	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSFeatureColor	biom:FeatureColorHexidecimalValue
9.381-D	COM	itl:PackageMinutiaeRecord/biom:ExtendedFeatureSetMinutiae/biom:EFSFeatureColor	biom:FeatureColorCommentText
9.901	ULA	itl:PackageMinutiaeRecord	biom:MinutiaeUniversalLatentWorkstationAnnotationText
9.902	ANN	itl:PackageMinutiaeRecord	biom:ProcessAnnotation
9.902-A	GMT	itl:PackageMinutiaeRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:ZuluDateTime
9.902-B	NAV	itl:PackageMinutiaeRecord/biom:ProcessAnnotation	biom:ProcessName
9.902-C	OWN	itl:PackageMinutiaeRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
9.902-D	PRO	itl:PackageMinutiaeRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
9.903	DUI	itl:PackageMinutiaeRecord/biom:CaptureDevice	biom:DeviceID
9.904-A	MAK	itl:PackageMinutiaeRecord/biom:CaptureDevice	biom:DeviceMakeText



## Type-9 Fingerprint Minutiae Record

Field ID	Field Name	XML Parent	NIEM Element
9.904-B	MOD	itl:PackageMinutiaeRecord/biom:CaptureDevice	biom:DeviceModelText
9.904-C	SER	itl:PackageMinutiaeRecord/biom:CaptureDevice	biom:DeviceSerialNumberText

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.002	IDC	itl:PackagePhotographicBodyPartImageRecord	biom:ImageReferenceID
10.003	IMT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageCategoryCode
10.004	SRC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureOrganization -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
10.005	PHD	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
10.006	HLL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:HorizontalLineLengthPixelQuantity
10.007	VLL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:VerticalLineLengthPixelQuantity
10.008	SLC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageScaleUnitsCode
10.009	THPS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageHorizontalPixelDensityValue
10.010	TVPS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageVerticalPixelDensityValue
10.011	CGA	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageCompressionAlgorithmCode
10.012	CSP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageColorSpaceCode
10.013	SAP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageAcquisitionProfileCode
10.014	FIP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageBoundingSquare
10.014-A	LHC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundingSquare	biom:SegmentLeftHorizontalCoordinateValue
10.014-B	RHC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundingSquare	biom:SegmentRightHorizontalCoordinateValue

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.014-C	TVC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundingSquare	biom:SegmentTopVerticalCoordinateValue
10.014-D	BVC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundingSquare	biom:SegmentBottomVerticalCoordinateValue
10.014-E	BBC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundingSquare	biom:FacelImageBoundingCategoryCode
10.015	FPFI	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageBoundary
10.015-A	BYC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundary	biom:FacelImageBoundaryShapeCode
10.015-B	NOP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundary	biom:PositionPolygonVertexQuantity
10.015-C-D	POL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundary	biom:PositionPolygonVertex
10.015-C	HPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundary/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
10.015-D	VPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageBoundary/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
10.016	SHPS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
10.017	SVPS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
10.018	DIST	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageDistortion
10.018-A	IDK	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageDistortion -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageDistortion	biom:ImageDistortionCategoryCode
10.018-B	IDM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageDistortion -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageDistortion	biom:ImageDistortionMeasurementCode

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.018-C	DSC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageDistortion -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageDistortion	biom:ImageDistortionSeverityCode
10.019	LAF	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageLightingArtifactsCode
10.020	POS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageSubjectPoseCode
10.021	POA	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImagePoseOffsetAngleMeasure
10.022	PXS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageAttribute
10.022-A	PXS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageAttribute	biom:FacelImageAttributeCode
10.022-B	PXS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageAttribute	biom:FacelImageAttributeText
10.023	PAS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageAcquisitionSource
10.023-A	PAC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageAcquisitionSource	biom:FacelImageAcquisitionCode
10.023-B	VSD	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageAcquisitionSource	biom:AcquisitionSourceDescriptionText
10.024	SQS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageQuality
10.024-A	QVU	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/biom:ImageQuality -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityValue
10.024-B	QAV	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/biom:ImageQuality -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityAlgorithmVendorID
10.024-C	QAP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/biom:ImageQuality -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageQuality	biom:QualityAlgorithmProductID
10.025	SPA	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImage3DPoseAngle

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.025-A	YAW	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PoseYawAngleMeasure
10.025-B	PIT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PosePitchAngleMeasure
10.025-C	ROL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PoseRollAngleMeasure
10.025-D	YAWU	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PoseYawUncertaintyValue
10.025-E	PITU	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PosePitchUncertaintyValue
10.025-F	ROLU	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DPoseAngle	biom:PoseRollUncertaintyValue
10.026	SXS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageDescriptionCode [biom:FacelImageDescriptionTextbiom:PhysicalFeatureNCICCode]
10.027	SEC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	j:PersonEyeColorCode
10.028	SHC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:HairColorCode
10.029	FFP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:FacelImage2DFeaturePoint
10.029-A	FPT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage2DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage2DFeaturePoint	biom:FeaturePointCategoryCode
10.029-B	FPC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage2DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage2DFeaturePoint	biom:FeaturePointID
10.029-C	HCX	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage2DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage2DFeaturePoint	biom:FeaturePointHorizontalCoordinateValue
10.029-D	HCY	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage2DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage2DFeaturePoint	biom:FeaturePointVerticalCoordinateValue

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.030	DMM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode
10.031	TMC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageFeaturePointTierCode [biom:FacelImageFeaturePointTierNumeric]
10.032	3DF	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:FacelImage3DFeaturePoint
10.032-A	FPT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage3DFeaturePoint	biom:FeaturePointCategoryCode
10.032-B	FPC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage3DFeaturePoint	biom:FeaturePointID
10.032-C	HCX	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage3DFeaturePoint	biom:FeaturePointHorizontalCoordinateValue
10.032-D	HCY	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage3DFeaturePoint	biom:FeaturePointVerticalCoordinateValue
10.032-E	HCZ	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImage3DFeaturePoint -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImage3DFeaturePoint	biom:FeaturePointZCoordinateValue
10.033	FEC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:FacelImageContour
10.033-A	FCC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageContour -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImageContour	biom:FacelImageContourCategoryCode
10.033-B	NOP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageContour -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImageContour	biom:PositionPolygonVertexQuantity
10.033-C-D	POL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageContour -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:FacelImageContour	biom:PositionPolygonVertex

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.033-C	HPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageContour/biom:PositionPolygonVertex -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:FacelImageContour/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
10.033-D	VPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageContour/biom:PositionPolygonVertex -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:FacelImageContour/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
10.034	ICDR	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:CaptureDateEstimateRangeDuration
10.038	COM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageCommentText
10.039	T10	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:Type10CrossReferenceID
10.040	SMT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:PhysicalFeatureNCICCode
10.041	SMS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:PhysicalFeatureSize
10.041-A	HGT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:PhysicalFeatureSize -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:PhysicalFeatureSize	biom:PhysicalFeatureHeightMeasure
10.041-B	WID	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:PhysicalFeatureSize -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:PhysicalFeatureSize	biom:PhysicalFeatureWidthMeasure
10.042-A	SMI	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail	biom:PhysicalFeatureCategoryCode
10.042-B	TAC	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail	biom:PhysicalFeatureClassCode
10.042-C	TSC	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail	biom:PhysicalFeatureSubClassCode
10.042-D	TDS	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail	biom:PhysicalFeatureDescriptionText

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.043	COL	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail	biom:PhysicalFeatureColorDetail
10.043-A	TC1	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/biom:PhysicalFeatureColorDetail	biom:PhysicalFeaturePrimaryColorCode
10.043-B-F	TC2, TC3, TC4, TC5, TC6	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:PhysicalFeatureDescriptionDetail/biom:PhysicalFeatureColorDetail	biom:PhysicalFeatureSecondaryColorCode
10.044	ITX	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:ImageTransformationCode
10.045	OCC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage	biom:FacelImageOcclusion
10.045-A	OCY	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion	biom:FacelImageOcclusionOpacityCode
10.045-B	OCT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion	biom:FacelImageOcclusionCategoryCode
10.045-C	NOP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion	biom:PositionPolygonVertexQuantity
10.045-D-E	POL	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion	biom:PositionPolygonVertex
10.045-D	HPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
10.045-E	VPO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:FacelImageOcclusion/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
10.046	SUB	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:SubjectExistentialDetails
10.046-A	SSC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:SubjectExistentialDetails -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
10.046-B	SBSC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:SubjectExistentialDetails -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode



## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.046-C	SBCC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:SubjectExistentialDetails -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
10.047	CON	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureOrganization -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationUnitName
10.048	PID	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:PatternedInjuryDetail
10.048-A	PARC	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:PatternedInjuryDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:PatternedInjuryDetail	biom:PatternedInjuryReferenceCodeText
10.048-B	PADT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:PatternedInjuryDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:PatternedInjuryDetail	biom:PatternedInjuryDescriptiveText
10.049	CID	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:CheilosopicImageInformation
10.049-A	LPW	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintWidthValue
10.049-B	LPH	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintHeightValue
10.049-C	PHW	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:PhiltrumWidthValue
10.049-D	PHH	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:PhiltrumHeightValue
10.049-E	ULCL	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:UpperLipCharacterizationCodeList
10.049-Ea		itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/biom:UpperLipCharacterizationCodeList	biom:LipCharacterizationCode
10.049-F	LLCL	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LowerLipCharacterizationCodeList

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.049-Fa		itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/biom:LowerLipCharacterizationCodeList	biom:LipCharacterizationCode
10.049-G	LCLD	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipContactLineDescriptorCode
10.049-H	LPCT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintCharacterizationText
10.049-I	LPPL	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintPathologiesPeculiaritiesCodeList
10.049-Ia		itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/biom:LipPrintPathologiesPeculiaritiesCodeList	biom:LipPrintPathologiesPeculiaritiesCode
10.049-J	LPPT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintPathologiesPeculiaritiesText
10.049-K	LPSL	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintSurfaceCodeList
10.049-Ka		itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation/biom:LipPrintSurfaceCodeList	biom:LipPrintSurfaceCode
10.049-L	LPST	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintSurfaceText
10.049-M	LPMC	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintMediumCode
10.049-N	LPMT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintMediumText
10.049-O	FHDT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	nc:PersonFacialHairText
10.049-P	LPDT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPositionTensionDescriptiveText
10.049-Q	LPAT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintDescriptiveText
10.049-R	LPCT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:CheilosopicImageInformation	biom:LipPrintComparisonDescriptiveText

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.050	VID	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:DentalVisualImageDataInformation
10.050-A	VIVC	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation	biom:DentalVisualImageCode
10.050-B	VIDT	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation	biom:DentalVisualImageDescriptiveText
10.050-C	VICD	itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:DentalVisualImageDataInformation	biom:DentalVisualImageComparisonDescriptiveText
10.051	RSP	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:RulerScalePresenceInformation
10.051-A	RSU	itl:PackagePhotographicBodyPartImageRecord/ biom:FacelImage/biom:RulerScalePresenceInformation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation	biom:RulerScaleUnitCode
10.051-B	RSM	itl:PackagePhotographicBodyPartImageRecord/ biom:FacelImage/biom:RulerScalePresenceInformation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation	biom:RulerScaleMakeText
10.051-C	RSO	itl:PackagePhotographicBodyPartImageRecord/ biom:FacelImage/biom:RulerScalePresenceInformation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:RulerScalePresenceInformation	biom:RulerScaleModelText
10.200 to 10.900	UDF	itl:PackagePhotographicBodyPartImageRecord	itl:UserDefinedFields
10.902	ANN	itl:PackagePhotographicBodyPartImageRecord	biom:ProcessAnnotation
10.902-A	GMT	itl:PackagePhotographicBodyPartImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:ZuluDateTime
10.902-B	NAV	itl:PackagePhotographicBodyPartImageRecord/biom:ProcessAnnotation	biom:ProcessName
10.902-C	OWN	itl:PackagePhotographicBodyPartImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
10.902-D	PRO	itl:PackagePhotographicBodyPartImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.903	DUI	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureDevice -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
10.904-A	MAK	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureDevice -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText
10.904-B	MOD	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureDevice -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
10.904-C	SER	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureDevice -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
10.992	T2C	itl:PackagePhotographicBodyPartImageRecord	biom:Type2CrossReferenceID
10.993	SAN	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:CaptureOrganization -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
10.994	EFR	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	biom:SourceExternalFileReferenceText
10.995	ASC	itl:PackagePhotographicBodyPartImageRecord	biom:AssociatedContext
10.995-A	ACN	itl:PackagePhotographicBodyPartImageRecord/biom:AssociatedContext	biom:ContextID
10.995-B	ASP	itl:PackagePhotographicBodyPartImageRecord/biom:AssociatedContext	biom:ImageSegmentID
10.996	HAS	itl:PackagePhotographicBodyPartImageRecord	biom:ImageHashValue
10.997	SOR	itl:PackagePhotographicBodyPartImageRecord	biom:SourceInformation
10.997-A	SRN	itl:PackagePhotographicBodyPartImageRecord/biom:SourceInformation	biom:SourceID
10.997-B	RSP	itl:PackagePhotographicBodyPartImageRecord/biom:SourceInformation	biom:ImageSegmentID

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.998	GEO	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail -or- itl:PackagePhotographicBodyPartImageRecord/ biom:PhysicalFeatureImage/biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
10.998-A	UTE	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
10.998-B	LTD	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
10.998-C	LTM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
10.998-D	LTS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
10.998-E	LGD	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
10.998-F	LGM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue

## Type-10 Facial, Other Body Part & SMT Image record

Field ID	Field Name	XML Parent	NIEM Element
10.998-G	LGS	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
10.998-H	ELE	itl:PackagePhotographicBodyPartImageRecord/ biom:FacelImage/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
10.998-I	GDC	itl:PackagePhotographicBodyPartImageRecord/ biom:FacelImage/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
10.998-J-L	UTM	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
10.998-M	GRT	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
10.998-N	OSI	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
10.998-O	OCV	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
10.999	DATA	itl:PackagePhotographicBodyPartImageRecord/biom:FacelImage -or- itl:PackagePhotographicBodyPartImageRecord/biom:PhysicalFeatureImage	nc:Base64BinaryObject

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.002	IDC	itl:PackageVoiceDataRecord	biom:ImageReferenceID
11.003	AOD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:AudioObjectDescriptorCode
11.004	SRC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
11.005	VRSO	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RecordingSettingDetail
11.005-A	STC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail	biom:RecordingSourceCategoryCode
11.005-B	SON	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail	biom:SourceOrganizationName
11.005-C	POC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail	nc:OrganizationPrimaryContactInformation/ nc:ContactInformationDescriptionText
11.005-D	CSC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingSettingDetail	biom:RecordingSourceCountry
11.006	VRX	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RecordingContentDescriptor
11.006-A	AVI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor	biom:RecordingAssignedVoiceCategoryCode
11.006-B	SPC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor	biom:SpeakerPluralityCode
11.006-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingContentDescriptor	biom:RecordingContentCommentText
11.007	AREC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:AudioSourceRecorder
11.007-A	RDD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder	biom:DeviceDescriptionText
11.007-B	MAK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder	biom:DeviceMakeText
11.007-C	MOD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder	biom:DeviceModelText

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.007-D	SER	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:AudioSourceRecorder	biom:DeviceSerialNumberText
11.008	AQS	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SourceAcquisition
11.008-A	AQC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition	biom:AcquisitionSourceCode
11.008-B	A2D	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition	biom:AcquisitionDigitalConversionDescriptionText
11.008-C	FDN	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition	biom:AcquisitionRadioTransmissionFormatDescriptionText
11.008-D	AQSC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SourceAcquisition	biom:AcquisitionSpecialCharacteristicsText
11.009	RCD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RecordCreationDate/nc:DateTime
11.010	VRD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:BiometricCapture	biom:CaptureDate/nc:DateTime
11.011	TRD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RecordingDurationDetail
11.011-A	TIM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDurationDetail	biom:RecordingDuration
11.011-B	CBY	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDurationDetail	biom:RecordingCompressedBytesQuantity
11.011-C	TSM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RecordingDurationDetail	biom:RecordingSampleQuantity
11.012	PMO	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:PhysicalMediaObject
11.012-A	MTD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:MediaCategoryText
11.012-B	RSP	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:RecordingSpeedRate
11.012-C	RSU	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:RecordingSpeedUnitText



## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.012-D	EQD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:AudioEqualizationText
11.012-E	TRC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:AudioTrackQuantity
11.012-F	STK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:SpeakerTrackList
11.012-Fa		itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject/biom:SpeakerTrackList	biom:TrackID
11.012-G	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:PhysicalMediaObject	biom:MediaCommentText
11.013	CONT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:DigitalMediaContainer
11.013-A	CONC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer	biom:DigitalMediaContainerFormatCode
11.013-B	ECON	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer	biom:DigitalMediaContainerExternalReferenceCodeText
11.013-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DigitalMediaContainer	biom:AudioCommentText
11.014	CDC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:CodecDetails
11.014-A	CODC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:CodecCategoryCode
11.014-B	SRTN	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:SamplingRate
11.014-C	BITD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:RecordingBitDepthValue
11.014-D	ENDC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:RecordingEndianCode
11.014-E	NFMT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:NumericFormatText

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.014-F	CHC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:RecordingChannelsQuantity
11.014-G	ECOD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:CodecExternalReferenceCodeText
11.014-H	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:CodecDetails	biom:CodecCommentText
11.021	RED	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RedactionInformation
11.021-A	RDI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation	biom:ProcessingIndicatorCode
11.021-B	RDA	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation	biom:ProcessingAuthorityText
11.021-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionInformation	biom:ProcessingCommentText
11.022	RDD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:RedactionDiaryInformation
11.022-A	SID	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation	biom:SegmentID
11.022-B	TRK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation/biom:TrackChannelList	biom:TrackID
11.022-C	RST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation	biom:RelativeStartTimeInMSValue
11.022-D	RET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation	biom:RelativeEndTimeInMSValue
11.022-E	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:RedactionDiaryInformation	biom:DiaryCommentText
11.023	DIS	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:DiscontinuityInformation
11.023-A	DCI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation	biom:ProcessingIndicatorCode

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.023-B	CTA	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation	biom:ProcessingAuthorityText
11.023-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityInformation	biom:ProcessingCommentText
11.024	DSD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:DiscontinuityDiaryInformation
11.024-A	SID	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation	biom:SegmentID
11.024-B	TRK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation/biom:TrackChannelList	biom:TrackID
11.024-C	RST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation	biom:RelativeStartTimeInMSValue
11.024-D	RET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation	biom:RelativeEndTimeInMSValue
11.024-E	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:DiscontinuityDiaryInformation	biom:DiaryCommentText
11.025	VOC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:VocalContentInformation
11.025-A	DII	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation	biom:DiarizationIndicatorCode
11.025-B	DAU	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation	biom:ProcessingAuthorityText
11.025-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentInformation	biom:ProcessingCommentText
11.026	VCD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:VocalContentDiaryInformation
11.026-A	SID	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:SegmentID
11.026-B	TRK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation/biom:TrackChannelList	biom:TrackID

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.026-C	RST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:RelativeStartTimeInMSValue
11.026-D	RET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:RelativeEndTimeInMSValue
11.026-E	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:DiaryCommentText
11.026-F, 11.026-G	TDT, TST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:TagStartDate/nc:DateTime
11.026-H	TET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:TagEndDate
11.026-I	ORD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:OriginalRecordingDate/nc:Date
11.026-J	SRT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:SegmentRecordingStartDate
11.026-K	END	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:SegmentRecordingEndDate
11.026-L	TMD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:TimeSourceDescriptionText
11.026-M	TCOM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalContentDiaryInformation	biom:TimeCommentText
11.027	OCN	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:OtherContentInformation
11.027-A	DII	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation	biom:DiaryizationIndicatorCode
11.027-B	DAU	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation	biom:ProcessingAuthorityText
11.027-C	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentInformation	biom:ProcessingCommentText
11.028	OCD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:OtherContentDiaryInformation

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.028-A	SID	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:SegmentID
11.028-B	TRK	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation/biom:TrackChannelList	biom:TrackID
11.028-C	RST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:RelativeStartTimeInMSValue
11.028-D	RET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:RelativeEndTimeInMSValue
11.028-E	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:DiaryCommentText
11.028-F, 11.028-G	TDT, TST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:TagStartDate/nc:DateTime
11.028-H	TET	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:TagEndDate/nc:DateTime
11.028-I	ORD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:OriginalRecordingDate/nc:Date
11.028-J	SRT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:SegmentRecordingStartDate/nc:DateTime
11.028-K	END	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:SegmentRecordingEndDate/nc:DateTime
11.028-L	TMD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:TimeSourceDescriptionText
11.028-M	TCOM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:OtherContentDiaryInformation	biom:TimeCommentText
11.032	SGEO	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SegmentGeographicalLocation
11.032-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/biom:SegmentIDList	biom:SegmentID
11.032-B	SCT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation	biom:CellPhoneTowerCodeText

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.032-C	LTD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
11.032-D	LTM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
11.032-E	LTS	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
11.032-F	LGD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
11.032-G	LGM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
11.032-H	LGS	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
11.032-I	ELE	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
11.032-J	GDC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation/nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
11.032-K-M	UTM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
11.032-N	GRT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation	nc:LocationDescriptionText
11.032-O	OSI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation	biom:GeographicLocationSystemName
11.032-P	OCV	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentGeographicalLocation	biom:GeographicLocationText
11.033	SQV	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:VocalSegmentQualityValue

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.033-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue/biom:SegmentIDList	biom:SegmentID
11.033-B	QVU	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue	biom:QualityValue
11.033-C	QAV	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue	biom:QualityAlgorithmVendorID
11.033-D	QAP	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue	biom:QualityAlgorithmProductID
11.033-E	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalSegmentQualityValue	biom:VocalSegmentQualityCommentText
11.034	VCI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:VocalCollisionIDList	biom:SegmentID
11.035	PPY	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SegmentProcessingPriorityInformation
11.035-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentProcessingPriorityInformation/biom:SegmentIDList	biom:SegmentID
11.035-B	PTY	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentProcessingPriorityInformation	biom:ProcessingPriorityValue
11.036	VSCD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SegmentContentInformation
11.036-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation/biom:SegmentIDList	biom:SegmentID
11.036-B	TRN	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentTranscriptText
11.036-C	LNG	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentTranscriptLanguageCode
11.036-D	PTT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentPhoneticTranscriptText
11.036-E	PTC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:PhoneticTranscriptConventionText

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.036-F	TLT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentTranslationText
11.036-G	TLG	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentTranslationLanguageCode
11.036-H	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:SegmentContentCommentText
11.036-I	TAC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentContentInformation	biom:TranscriptAuthorityCommentText
11.037	SCC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SegmentSpeakerCharacteristicsInformation
11.037-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/biom:SegmentIDList	biom:SegmentID
11.037-B	SPL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/biom:SpeakerList	biom:SpeakerID
11.037-C	T2C	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation/biom:Type2CrossReferenceList	biom:Type2CrossReferenceID
11.037-D	IMP	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:ImpairmentValue
11.037-E	DSL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:DominantSpokenLanguageCode
11.037-F	LPS	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:LanguageProficiencyValue
11.037-G	STY	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:SpeechStyleCode
11.037-H	INT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:IntelligibilityValue
11.037-I	FDC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:FamiliarityValue
11.037-J	HCM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:HealthCommentText



## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.037-K	EMC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:EmotionalStateCode
11.037-L	VES	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:VocalEffortValue
11.037-M	VSC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:VocalStyleCode
11.037-N	RAI	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:RecordingAwarenessCode
11.037-O	SCR	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:ScriptText
11.037-P	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentSpeakerCharacteristicsInformation	biom:SpeechCharacteristicsCommentText
11.038	SCH	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:SegmentChannelInformation
11.038-A	SIL	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation/biom:SegmentIDList	biom:SegmentID
11.038-B	ACD	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:AudioCaptureDeviceCode
11.038-C	MTC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:TransducerPrincipleCode
11.038-D	ENV	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:AudioCaptureEnvironmentText
11.038-E	DST	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:TransducerDistanceValue
11.038-F	AQC	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:AcquisitionSourceCode
11.038-G	VMT	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:TransductionAlterationDescriptionText
11.038-H	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:SegmentChannelInformation	biom:ChannelCommentText

## Type-11 Voice Record

Field ID	Field Name	XML Parent	NIEM Element
11.051	COM	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail	biom:AudioCommentText
11.100 to 11.900	UDF	itl:PackageVoiceDataRecord	itl:UserDefinedFields
11.902	ANN	itl:PackageVoiceDataRecord	biom:ProcessAnnotation
11.902-A	GMT	itl:PackageVoiceDataRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:ZuluDateTime
11.902-B	NAV	itl:PackageVoiceDataRecord/biom:ProcessAnnotation	biom:ProcessName
11.902-C	OWN	itl:PackageVoiceDataRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
11.902-D	PRO	itl:PackageVoiceDataRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
11.993	SAN	itl:PackageVoiceDataRecord/biom:ForensicInvestigatoryVoiceDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationName
11.994	EFR	itl:PackageVoiceDataRecord	biom:SourceExternalFileReferenceText
11.995	ASC	itl:PackageVoiceDataRecord	biom:AssociatedContext
11.995-A	ACN	itl:PackageVoiceDataRecord/biom:AssociatedContext	biom:ContextID
11.995-B	ASP	itl:PackageVoiceDataRecord/biom:AssociatedContext	biom:ImageSegmentID
11.996	HAS	itl:PackageVoiceDataRecord	biom:DigitalAudioRecordHashValue
11.997	SOR	itl:PackageVoiceDataRecord	biom:SourceInformation
11.997-A	SRN	itl:PackageVoiceDataRecord/biom:SourceInformation	biom:SourceID
11.999	DATA	itl:PackageVoiceDataRecord	nc:Base64BinaryObject

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.002	IDC	itl:PackageForensicDentalDataRecord	biom:ImageReferenceID
12.003	FDS	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:ForensicDentalSetting
12.003-A	FACC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting	biom:ForensicAnalystCategoryCode
12.003-B	FOPC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting	nc:ContactInformationDescriptionText
12.003-C	FSCC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ForensicDentalSetting	biom:ForensicSourceCountry
12.004	SRC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
12.006	DSI	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:DentalSubjectInformation
12.006-A	DSC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectExistentialStatusCode
12.006-B	DLCD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectLastContactDate/nc:Date
12.006-C	DRLC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectLastContactDateEstimateRangeDuration
12.006-D	DPBD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	nc:PersonBirthDate/nc:Date
12.006-E	DRBD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectBirthDateEstimateRangeDuration
12.006-F	DPET	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	nc:PersonEthnicityText
12.006-G	DRAC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectDNARecordsAvailableCode
12.006-H	DCLD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectCollectionLocationDescriptionText

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.006-I	DEDD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectEstimatedDeathDate/nc:DateTime
12.006-J	DRDE	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectDeathDateRangeDuration
12.006-K	DTER	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectDeathTimeEstimateRationaleText
12.006-L	DEAT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalSubjectInformation	biom:SubjectDeathAgeEstimateText
12.007	ODES	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:OriginalDentalEncodingSystemInformation
12.007-A	OSNC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation	biom:SystemNameCode
12.007-B	OSVT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation	biom:SystemVersionText
12.007-C	OTPC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation	biom:ToothPermanenceCategoryCode
12.007-D	ORDG	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation	biom:RestorationDataGranularityCode
12.007-E	OMPN	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:OriginalDentalEncodingSystemInformation	biom:MorphologyPositionalNumberingCode
12.008	TDES	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:TransmittalDentalEncodingSystemInformation
12.008-A	TSNC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation	biom:SystemNameCode
12.008-B	TSVT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation	biom:SystemVersionText
12.008-C	TTPC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation	biom:ToothPermanenceCategoryCode
12.008-D	TRDG	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation	biom:RestorationDataGranularityCode

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.008-E	TMPN	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:TransmittalDentalEncodingSystemInformation	biom:MorphologyPositionalNumberingCode
12.009	HDD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:DentalHistoryDataDetail
12.009-A	HARC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalHistoryDataDetail	biom:DentalHistoryADAResponseCodeText
12.009-B	HADT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalHistoryDataDetail	biom:DentalHistoryAdditionalDescriptiveText
12.010	TDD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:ToothDataDetail
12.010-A	TDR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothDataRecordingDate/nc:Date
12.010-B	TDRR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothDataRecordingDateEstimateRangeDuration
12.010-C	TID	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothID
12.010-D	TOET	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:OriginalSystemEncodingText
12.010-E	TARC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothDataADAResponseCodeList
12.010-Ea		itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail/biom:ToothDataADAResponseCodeList	biom:ADAResponseCodeText
12.010-F	TTET	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:TransmittedToothEncodingText
12.010-G	TICC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothIDCertaintyCode
12.010-H	TADT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:ToothDataDetail	biom:ToothDataAdditionalDescriptiveText
12.011	MDD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:MouthDataDetail

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.011-A	MDR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:MouthDataDetail	biom:MouthDataRecordingDate/nc:Date
12.011-B	MDRR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:MouthDataDetail	biom:MouthDataRecordingDateEstimateRangeDuration
12.011-C	MARC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:MouthDataDetail	biom:MouthDataADAResponseCodeList
12.011-Ca		itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:MouthDataDetail/biom:MouthDataADAResponseCodeList	biom:ADAResponseCodeText
12.011-D	MADT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:MouthDataDetail	biom:MouthDataAdditionalDescriptiveText
12.012	DSTI	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:DentalStudyToothImprintDetail
12.012-A	SDR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail	biom:DentalStudyRecordingDate/nc:Date
12.012-B	SDRR	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail	biom:DentalStudyRecordingDateEstimateRangeDuration
12.012-C	SRC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail	biom:DentalStudyReferenceCode
12.012-D	SADT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:DentalStudyToothImprintDetail	biom:DentalStudyAdditionalDescriptiveText
12.020	COM	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail	biom:ForensicDentalCommentText
12.047	CON	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationUnitName
12.200 to 12.900	UDF	itl:PackageForensicDentalDataRecord	itl:UserDefinedFields
12.902	ANN	itl:PackageForensicDentalDataRecord	biom:ProcessAnnotation
12.902-A	GMT	itl:PackageForensicDentalDataRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
12.902-B	NAV	itl:PackageForensicDentalDataRecord/biom:ProcessAnnotation	biom:ProcessName

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.902-C	OWN	itl:PackageForensicDentalDataRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
12.902-D	PRO	itl:PackageForensicDentalDataRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
12.990	T10C	itl:PackageForensicDentalDataRecord	biom:Type10CrossReferenceID
12.991	T22C	itl:PackageForensicDentalDataRecord	biom:Type22CrossReferenceID
12.992	T2C	itl:PackageForensicDentalDataRecord	biom:Type2CrossReferenceID
12.993	SAN	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationName
12.994	EFR	itl:PackageForensicDentalDataRecord	biom:SourceExternalFileReferenceText
12.995	ASC	itl:PackageForensicDentalDataRecord	biom:AssociatedContext
12.995-A	ACN	itl:PackageForensicDentalDataRecord/biom:AssociatedContext	biom:ContextID
12.995-B	ASP	itl:PackageForensicDentalDataRecord/biom:AssociatedContext	biom:ImageSegmentID
12.996	HAS	itl:PackageForensicDentalDataRecord	biom:ImageHashValue
12.998	GEO	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture	biom:GeographicSampleAcquisitionLocation
12.998-A	UTE	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
12.998-B	LTD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
12.998-C	LTM	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
12.998-D	LTS	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue

## Type-12 Dental Record

Field ID	Field Name	XML Parent	NIEM Element
12.998-E	LGD	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
12.998-F	LGM	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
12.998-G	LGS	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
12.998-H	ELE	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
12.998-I	GDC	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
12.998-J-L	UTM	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
12.998-M	GRT	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
12.998-N	OSI	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
12.998-O	OCV	itl:PackageForensicDentalDataRecord/biom:ForensicDentalOralDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
12.999	DATA	itl:PackageForensicDentalDataRecord	nc:Base64BinaryObject



## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.002	IDC	itl:PackageLatentImageRecord	biom:ImageReferenceID
13.003	IMP	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	itl:FrictionRidgeImpressionCaptureCode
13.004	SRC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
13.005	LCD	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
13.006	HLL	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:HorizontalLineLengthPixelQuantity
13.007	VLL	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:VerticalLineLengthPixelQuantity
13.008	SLC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageScaleUnitsCode
13.009	THPS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageHorizontalPixelDensityValue
13.010	TVPS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageVerticalPixelDensityValue
13.011	CGA	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageCompressionAlgorithmCode
13.012	BPX	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageBitsPerPixelQuantity
13.013	FGP	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:LatentFrictionRidgePositionCode
13.014-A	PDF	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint	biom:FingerPositionCode
13.014-B	FIC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint	biom:MajorCasePrintCode
13.015	PPC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint	biom:MajorCasePrintSegmentOffset
13.015-A	FVC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset	biom:SegmentFingerViewCode
13.015-B	LOS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset	biom:SegmentLocationCode
13.015-C	LHC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentLeftHorizontalCoordinateValue

## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.015-D	RHC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentRightHorizontalCoordinateValue
13.015-E	TVC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentTopVerticalCoordinateValue
13.015-F	BVC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentBottomVerticalCoordinateValue
13.016	SHPS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
13.017	SVPS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
13.018	RSP	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:RulerScalePresenceInformation
13.018-A	RSU	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:RulerScalePresenceInformation	biom:RulerScaleUnitCode
13.018-B	RSM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:RulerScalePresenceInformation	biom:RulerScaleMakeText
13.018-C	RSO	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:RulerScalePresenceInformation	biom:RulerScaleModelText
13.018-D	RSF	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:StandardFingerprintFormNumberText
13.019	REM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ResolutionMethodInformation
13.019-A	MDR	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionMeansCode
13.019-B	KSL	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleLengthValue
13.019-C	KSU	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleUnitCode
13.019-D	SXA	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleXCoordinateAValue

## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.019-E	SYA	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleYCoordinateAValue
13.019-F	SXB	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleXCoordinateBValue
13.019-G	SYB	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionScaleYCoordinateBValue
13.019-H	COM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:ResolutionMethodInformation	biom:ResolutionCommentText
13.020	COM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:ImageCommentText
13.024	LQM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:FrictionRidgeImageQuality
13.024-A	FRMP	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality	biom:LatentFrictionRidgePositionCode
13.024-B	QVU	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality	biom:QualityValue
13.024-C	QAV	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality	biom:QualityAlgorithmVendorID
13.024-D	QAP	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:FrictionRidgeImageQuality	biom:QualityAlgorithmProductID
13.046	SUB	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:SubjectExistentialDetails
13.046-A	SSC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
13.046-B	SBSC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode
13.046-C	SBCC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
13.047	CON	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationUnitName

## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.200 to 13.900	UDF	itl:PackageLatentImageRecord	itl:UserDefinedFields
13.901	FCT	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail	biom:FrictionRidgeCaptureTechnologyCode
13.902	ANN	itl:PackageLatentImageRecord	biom:ProcessAnnotation
13.902-A	GMT	itl:PackageLatentImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
13.902-B	NAV	itl:PackageLatentImageRecord/biom:ProcessAnnotation	biom:ProcessName
13.902-C	OWN	itl:PackageLatentImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
13.902-D	PRO	itl:PackageLatentImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
13.903	DUI	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceID
13.904-A	MAK	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceMakeText
13.904-B	MOD	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceModelText
13.904-C	SER	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceSerialNumberText
13.993	SAN	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationName
13.994	EFR	itl:PackageLatentImageRecord	biom:SourceExternalFileReferenceText
13.995	ASC	itl:PackageLatentImageRecord	biom:AssociatedContext
13.995-A	ACN	itl:PackageLatentImageRecord/biom:AssociatedContext	biom:ContextID
13.995-B	ASP	itl:PackageLatentImageRecord/biom:AssociatedContext	biom:ImageSegmentID
13.996	HAS	itl:PackageLatentImageRecord	biom:ImageHashValue
13.997	SOR	itl:PackageLatentImageRecord	biom:SourceInformation
13.997-A	SRN	itl:PackageLatentImageRecord/biom:SourceInformation	biom:SourceID

## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.997-B	RSP	itl:PackageLatentImageRecord/biom:SourceInformation	biom:ImageSegmentID
13.998	GEO	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
13.998-A	UTE	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
13.998-B	LTD	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
13.998-C	LTM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
13.998-D	LTS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
13.998-E	LGD	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
13.998-F	LGM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
13.998-G	LGS	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
13.998-H	ELE	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
13.998-I	GDC	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
13.998-J-L	UTM	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
13.998-M	GRT	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText

## Type-13 Friction-Ridge Latent Image Record

Field ID	Field Name	XML Parent	NIEM Element
13.998-N	OSI	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
13.998-O	OCV	itl:PackageLatentImageRecord/biom:FrictionRidgeDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
13.999	DATA	itl:PackageLatentImageRecord	nc:Base64BinaryObject

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.002	IDC	itl:PackageFingerImpressionImageRecord	biom:ImageReferenceID
14.003	IMP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	itl:FrictionRidgeImpressionCaptureCode
14.004	SRC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
14.005	FCD	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
14.006	HLL	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:HorizontalLineLengthPixelQuantity
14.007	VLL	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:VerticalLineLengthPixelQuantity
14.008	SLC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageScaleUnitsCode
14.009	THPS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageHorizontalPixelDensityValue
14.010	TVPS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageVerticalPixelDensityValue
14.011	CGA	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageCompressionAlgorithmCode
14.012	BPX	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageBitsPerPixelQuantity
14.013	FGP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ExemplarFingerPositionCode
14.014-A	DFP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint	biom:FingerPositionCode
14.014-B	FIC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint	biom:MajorCasePrintCode
14.015	PPC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint	biom:MajorCasePrintSegmentOffset
14.015-A	FVC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset	biom:SegmentFingerViewCode
14.015-B	LOS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageMajorCasePrint/biom:MajorCasePrintSegmentOffset	biom:SegmentLocationCode

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.015-C	LHC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentLeftHorizontalCoordinateValue
14.015-D	RHC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentRightHorizontalCoordinateValue
14.015-E	TVC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentTopVerticalCoordinateValue
14.015-F	BVC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageMajorCasePrint/biom:MajorCasePrintSegmentOffset/ biom:FingerprintCoordinate	biom:SegmentBottomVerticalCoordinateValue
14.016	SHPS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
14.017	SVPS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
14.018	AMP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageFingerMissing
14.018-A	FRAP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageFingerMissing	biom:FingerPositionCode
14.018-B	ABC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageFingerMissing	biom:FingerMissingCode
14.020	COM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:ImageCommentText
14.021	SEG	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageSegmentPositionSquare
14.021-A	FRSP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentPositionSquare	biom:FingerPositionCode
14.021-B	LHC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentPositionSquare	biom:SegmentLeftHorizontalCoordinateValue
14.021-C	RHC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentPositionSquare	biom:SegmentRightHorizontalCoordinateValue



## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.021-D	TVC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentPositionSquare	biom:SegmentTopVerticalCoordinateValue
14.021-E	BVC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentPositionSquare	biom:SegmentBottomVerticalCoordinateValue
14.022	NQM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageNISTQuality
14.022-A	FRNP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageNISTQuality	biom:FingerPositionCode
14.022-B	IQS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageNISTQuality	biom:NISTQualityMeasure
14.023	SQM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageSegmentationQuality
14.023-A	FRQP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentationQuality	biom:FingerPositionCode
14.023-B	QVU	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentationQuality	biom:QualityValue
14.023-C	QAV	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentationQuality	biom:QualityAlgorithmVendorID
14.023-D	QAP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageSegmentationQuality	biom:QualityAlgorithmProductID
14.024	FQM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageQuality
14.024-A	FRMP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageQuality	biom:FingerPositionCode
14.024-B	QVU	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageQuality	biom:QualityValue
14.024-C	QAV	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageQuality	biom:QualityAlgorithmVendorID
14.024-D	QAP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprntImageQuality	biom:QualityAlgorithmProductID
14.025	ASEG	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprntImageSegmentPositionPolygon

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.025-A	FRAS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon	biom:FingerPositionCode
14.025-B	NOP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon	biom:PositionPolygonVertexQuantity
14.025-C-D	POL	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon	biom:PositionPolygonVertex
14.025-C	HPO	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
14.025-D	VPO	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:FingerprintImageSegmentPositionPolygon/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
14.026	SCF	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprintSimultaneousCaptureID
14.027	SIF	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprintImageStitchedIndicator
14.030	DMM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode
14.031	FAP	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FingerprintImageAcquisitionProfileCode
14.046	SUB	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:SubjectExistentialDetails
14.046-A	SSC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
14.046-B	SBSC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode
14.046-C	SBCC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
14.047	CON	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationUnitName
14.200 to 14.900	UDF	itl:PackageFingerImpressionImageRecord	itl:UserDefinedFields
14.901	FCT	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail	biom:FrictionRidgeCaptureTechnologyCode

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.902	ANN	itl:PackageFingerImpressionImageRecord	biom:ProcessAnnotation
14.902-A	GMT	itl:PackageFingerImpressionImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
14.902-B	NAV	itl:PackageFingerImpressionImageRecord/biom:ProcessAnnotation	biom:ProcessName
14.902-C	OWN	itl:PackageFingerImpressionImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
14.902-D	PRO	itl:PackageFingerImpressionImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
14.903	DUI	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
14.904-A	MAK	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText
14.904-B	MOD	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
14.904-C	SER	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
14.993	SAN	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
14.994	EFR	itl:PackageFingerImpressionImageRecord	biom:SourceExternalFileReferenceText
14.995	ASC	itl:PackageFingerImpressionImageRecord	biom:AssociatedContext
14.995-A	ACN	itl:PackageFingerImpressionImageRecord/biom:AssociatedContext	biom:ContextID
14.995-B	ASP	itl:PackageFingerImpressionImageRecord/biom:AssociatedContext	biom:ImageSegmentID
14.996	HAS	itl:PackageFingerImpressionImageRecord	biom:ImageHashValue
14.997	SOR	itl:PackageFingerImpressionImageRecord	biom:SourceInformation
14.997-A	SRN	itl:PackageFingerImpressionImageRecord/biom:SourceInformation	biom:SourceID
14.997-B	RSP	itl:PackageFingerImpressionImageRecord/biom:SourceInformation	biom:ImageSegmentID
14.998	GEO	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.998-A	UTE	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
14.998-B	LTD	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
14.998-C	LTM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
14.998-D	LTS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
14.998-E	LGD	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
14.998-F	LGM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
14.998-G	LGS	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
14.998-H	ELE	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
14.998-I	GDC	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
14.998-J-L	UTM	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
14.998-M	GRT	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
14.998-N	OSI	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName

## Type-14 Fingerprint Image Record

Field ID	Field Name	XML Parent	NIEM Element
14.998-O	OCV	itl:PackageFingerImpressionImageRecord/biom:FingerImpressionImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
14.999	DATA	itl:PackageFingerImpressionImageRecord	nc:Base64BinaryObject

## Type-15 Palm Print Image Record

Field ID	Field Name	XML Parent	NIEM Element
15.002	IDC	itl:PackagePalmPrintImageRecord	biom:ImageReferenceID
15.003	IMP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	itl:FrictionRidgeImpressionCaptureCode
15.004	SRC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
15.005	PCD	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
15.006	HLL	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:HorizontalLineLengthPixelQuantity
15.007	VLL	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:VerticalLineLengthPixelQuantity
15.008	SLC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageScaleUnitsCode
15.009	THPS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageHorizontalPixelDensityValue
15.010	TVPS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageVerticalPixelDensityValue
15.011	CGA	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageCompressionAlgorithmCode
15.012	BPX	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageBitsPerPixelQuantity
15.013	FGP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:PalmPositionCode
15.016	SHPS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
15.017	SVPS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
15.018	AMP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:PalmPrintImageMissingArea
15.018-A	FRAP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageMissingArea	biom:PalmPositionCode
15.018-B	ABC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageMissingArea	biom:PalmMissingAreaReasonCode
15.020	COM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:ImageCommentText
15.021	SEG	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:FrictionRidgeImageSegmentPositionSquare

## Type-15 Palm Print Image Record

Field ID	Field Name	XML Parent	NIEM Element
15.021-A	FRSP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:PalmPositionCode
15.021-B	LHC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentLeftHorizontalCoordinateValue
15.021-C	RHC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentRightHorizontalCoordinateValue
15.021-D	TVC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentTopVerticalCoordinateValue
15.021-E	BVC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentBottomVerticalCoordinateValue
15.024	PQM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:PalmPrintImageQuality
15.024-A	FRMP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality	biom:PalmPositionCode
15.024-B	QVU	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality	biom:QualityValue
15.024-C	QAV	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality	biom:QualityAlgorithmVendorID
15.024-D	QAP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:PalmPrintImageQuality	biom:QualityAlgorithmProductID
15.030	DMM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode
15.031	PAP	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:PalmPrintImageAcquisitionProfileCode
15.046	SUB	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:SubjectExistentialDetails
15.046-A	SSC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
15.046-B	SBSC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode

## Type-15 Palm Print Image Record

Field ID	Field Name	XML Parent	NIEM Element
15.046-C	SBCC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
15.047	CON	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationUnitName
15.200 to 15.900	UDF	itl:PackagePalmPrintImageRecord	itl:UserDefinedFields
15.901	FCT	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail	biom:FrictionRidgeCaptureTechnologyCode
15.902	ANN	itl:PackagePalmPrintImageRecord	biom:ProcessAnnotation
15.902-A	GMT	itl:PackagePalmPrintImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
15.902-B	NAV	itl:PackagePalmPrintImageRecord/biom:ProcessAnnotation	biom:ProcessName
15.902-C	OWN	itl:PackagePalmPrintImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
15.902-D	PRO	itl:PackagePalmPrintImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
15.903	DUI	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
15.904-A	MAK	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText
15.904-B	MOD	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
15.904-C	SER	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
15.993	SAN	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
15.994	EFR	itl:PackagePalmPrintImageRecord	biom:SourceExternalFileReferenceText
15.995	ASC	itl:PackagePalmPrintImageRecord	biom:AssociatedContext
15.995-A	ACN	itl:PackagePalmPrintImageRecord/biom:AssociatedContext	biom:ContextID
15.995-B	ASP	itl:PackagePalmPrintImageRecord/biom:AssociatedContext	biom:ImageSegmentID



## Type-15 Palm Print Image Record

Field ID	Field Name	XML Parent	NIEM Element
15.996	HAS	itl:PackagePalmPrintImageRecord	biom:ImageHashValue
15.997	SOR	itl:PackagePalmPrintImageRecord	biom:SourceInformation
15.997-A	SRN	itl:PackagePalmPrintImageRecord/biom:SourceInformation	biom:SourceID
15.997-B	RSP	itl:PackagePalmPrintImageRecord/biom:SourceInformation	biom:ImageSegmentID
15.998	GEO	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
15.998-A	UTE	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
15.998-B	LTD	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
15.998-C	LTM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
15.998-D	LTS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
15.998-E	LGD	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
15.998-F	LGM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
15.998-G	LGS	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
15.998-H	ELE	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue

## Type-15 Palm Print Image Record

Field ID	Field Name	XML Parent	NIEM Element
15.998-I	GDC	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
15.998-J-L	UTM	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
15.998-M	GRT	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
15.998-N	OSI	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
15.998-O	OCV	itl:PackagePalmPrintImageRecord/biom:PalmPrintImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
15.999	DATA	itl:PackagePalmPrintImageRecord	nc:Base64BinaryObject

## Type-16 Test Record

Field ID	Field Name	XML Parent	NIEM Element
16.002	IDC	itl:PackageUserDefinedTestingImageRecord	biom:ImageReferenceID
16.003	UDI	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	nc:BinaryDescriptionText
16.004	SRC	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
16.005	UTD	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
16.006	HLL	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:HorizontalLineLengthPixelQuantity
16.007	VLL	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:VerticalLineLengthPixelQuantity
16.008	SLC	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageScaleUnitsCode
16.009	THPS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageHorizontalPixelDensityValue
16.010	TVPS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageVerticalPixelDensityValue
16.011	CGA	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageCompressionAlgorithmCode
16.012	BPX	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageBitsPerPixelQuantity
16.013	CSP	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageColorSpaceCode
16.016	SHPS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
16.017	SVPS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
16.020	COM	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageCommentText
16.024	UQS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail	biom:ImageQuality
16.024-A	QVU	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageQuality	biom:QualityValue
16.024-B	QAV	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageQuality	biom:QualityAlgorithmVendorID

## Type-16 Test Record

Field ID	Field Name	XML Parent	NIEM Element
16.024-C	QAP	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageQuality	biom:QualityAlgorithmProductID
16.030	DMM	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode
16.200 to 16.900	UDF	itl:PackageUserDefinedTestingImageRecord	itl:UserDefinedFields
16.902	ANN	itl:PackageUserDefinedTestingImageRecord	biom:ProcessAnnotation
16.902-A	GMT	itl:PackageUserDefinedTestingImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
16.902-B	NAV	itl:PackageUserDefinedTestingImageRecord/biom:ProcessAnnotation	biom:ProcessName
16.902-C	OWN	itl:PackageUserDefinedTestingImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
16.902-D	PRO	itl:PackageUserDefinedTestingImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
16.903	DUI	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
16.904-A	MAK	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText
16.904-B	MOD	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
16.904-C	SER	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
16.993	SAN	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
16.994	EFR	itl:PackageUserDefinedTestingImageRecord	biom:SourceExternalFileReferenceText
16.995	ASC	itl:PackageUserDefinedTestingImageRecord	biom:AssociatedContext
16.995-A	ACN	itl:PackageUserDefinedTestingImageRecord/biom:AssociatedContext	biom:ContextID
16.995-B	ASP	itl:PackageUserDefinedTestingImageRecord/biom:AssociatedContext	biom:ImageSegmentID
16.996	HAS	itl:PackageUserDefinedTestingImageRecord	biom:ImageHashValue

## Type-16 Test Record

Field ID	Field Name	XML Parent	NIEM Element
16.997	SOR	itl:PackageUserDefinedTestingImageRecord	biom:SourceInformation
16.997-A	SRN	itl:PackageUserDefinedTestingImageRecord/biom:SourceInformation	biom:SourceID
16.997-B	RSP	itl:PackageUserDefinedTestingImageRecord/biom:SourceInformation	biom:ImageSegmentID
16.998	GEO	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
16.998-A	UTE	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
16.998-B	LTD	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
16.998-C	LTM	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
16.998-D	LTS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
16.998-E	LGD	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
16.998-F	LGM	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
16.998-G	LGS	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
16.998-H	ELE	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
16.998-I	GDC	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode

## Type-16 Test Record

Field ID	Field Name	XML Parent	NIEM Element
16.998-J-L	UTM	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
16.998-M	GRT	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
16.998-N	OSI	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
16.998-O	OCV	itl:PackageUserDefinedTestingImageRecord/biom:TestImageDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
16.999	DATA	itl:PackageUserDefinedTestingImageRecord	nc:Base64BinaryObject

## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.002	IDC	itl:PackageIrisImageRecord	biom:ImageReferenceID
17.003	ELR	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisEyePositionCode
17.004	SRC	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
17.005	ICD	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
17.006	HLL	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:HorizontalLineLengthPixelQuantity
17.007	VLL	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:VerticalLineLengthPixelQuantity
17.008	SLC	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageScaleUnitsCode
17.009	THPS	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageHorizontalPixelDensityValue
17.010	TVPS	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageVerticalPixelDensityValue
17.011	CGA	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageCompressionAlgorithmCode
17.012	BPX	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageBitsPerPixelQuantity
17.013	CSP	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageColorSpaceCode
17.014	RAE	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisEyeRotationAngleValue
17.015	RAU	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisEyeRotationUncertaintyValue
17.016	IPC	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageCapture
17.016-A	IHO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageCapture	biom:IrisImageHorizontalOrientationCode
17.016-B	IVO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageCapture	biom:IrisImageVerticalOrientationCode
17.016-C	IST	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageCapture	biom:IrisImageScanCategoryCode
17.017	DUI	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceID
17.019-A	MAK	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceMakeText

## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.019-B	MOD	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
17.019-C	SER	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
17.020	ECL	itl:PackageIrisImageRecord/biom:IrisImageDetail	j:PersonEyeColorCode
17.021	COM	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageCommentText
17.022	SHPS	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
17.023	SVPS	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
17.024	IQS	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:ImageQuality
17.024-A	QVU	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageQuality	biom:QualityValue
17.024-B	QAV	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageQuality	biom:QualityAlgorithmVendorID
17.024-C	QAP	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageQuality	biom:QualityAlgorithmProductID
17.025	EAS	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageAcquisitionLightingSpectrum	biom:AcquisitionLightingSpectrumCode
17.026	IRD	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisDiameterPixelQuantity
17.027-A	LOW	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageAcquisitionLightingSpectrum	biom:AcquisitionLightingSpectrumLowerMeasure
17.027-B	HIG	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageAcquisitionLightingSpectrum	biom:AcquisitionLightingSpectrumUpperMeasure
17.028	DME	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageMissingReasonCode
17.030	DMM	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode
17.031	IAP	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageAcquisitionProfileCode
17.032	ISF	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageStorageFormatCode
17.033	IPB	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageIrisPupilBoundary



## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.033-A	BYC	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisPupilBoundary	biom:IrisBoundaryShapeCode
17.033-B	NOP	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisPupilBoundary	biom:ImageFeatureVertexQuantity
17.033-C-D	IFX	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisPupilBoundary	biom:ImageFeatureVertex
17.033-C	HPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisPupilBoundary/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
17.033-D	VPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisPupilBoundary/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
17.034	ISB	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageIrisScleraBoundary
17.034-A	BYC	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisScleraBoundary	biom:IrisBoundaryShapeCode
17.034-B	NOP	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisScleraBoundary	biom:ImageFeatureVertexQuantity
17.034-C-D	IFX	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisScleraBoundary	biom:ImageFeatureVertex
17.034-C	HPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisScleraBoundary/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
17.034-D	VPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageIrisScleraBoundary/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
17.035	UEB	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageIrisUpperEyelidBoundary
17.035-A	BYC	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisUpperEyelidBoundary	biom:IrisBoundaryShapeCode
17.035-B	NOP	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisUpperEyelidBoundary	biom:ImageFeatureVertexQuantity
17.035-C-D	IFX	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisUpperEyelidBoundary	biom:ImageFeatureVertex
17.035-C	HPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisUpperEyelidBoundary/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
17.035-D	VPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisUpperEyelidBoundary/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue

## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.036	LEB	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageIrisLowerEyelidBoundary
17.036-A	BYC	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisLowerEyelidBoundary	biom:IrisBoundaryShapeCode
17.036-B	NOP	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisLowerEyelidBoundary	biom:ImageFeatureVertexQuantity
17.036-C-D	IFX	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisLowerEyelidBoundary	biom:ImageFeatureVertex
17.036-C	HPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisLowerEyelidBoundary/biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
17.036-D	VPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/ biom:IrisImageIrisLowerEyelidBoundary/biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
17.037	NEO	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageOcclusion
17.037-A	OCY	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion	biom:IrisImageOcclusionOpacityCode
17.037-B	OCT	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion	biom:IrisImageOcclusionCategoryCode
17.037-C	NOP	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion	biom:ImageFeatureVertexQuantity
17.037-D-E	IFX	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion	biom:ImageFeatureVertex
17.037-D	HPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion/ biom:ImageFeatureVertex	biom:PositionHorizontalCoordinateValue
17.037-E	VPO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:IrisImageOcclusion/ biom:ImageFeatureVertex	biom:PositionVerticalCoordinateValue
17.040	RAN	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageRangeMeasure
17.041	GAZ	itl:PackageIrisImageRecord/biom:IrisImageDetail	biom:IrisImageGazeAngleMeasure
17.200 to 17.900	UDF	itl:PackageIrisImageRecord	itl:UserDefinedFields
17.902	ANN	itl:PackageIrisImageRecord	biom:ProcessAnnotation
17.902-A	GMT	itl:PackageIrisImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime

## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.902-B	NAV	itl:PackageIrisImageRecord/biom:ProcessAnnotation	biom:ProcessName
17.902-C	OWN	itl:PackageIrisImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
17.902-D	PRO	itl:PackageIrisImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
17.993	SAN	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationName
17.994	EFR	itl:PackageIrisImageRecord	biom:SourceExternalFileReferenceText
17.995	ASC	itl:PackageIrisImageRecord	biom:AssociatedContext
17.995-A	ACN	itl:PackageIrisImageRecord/biom:AssociatedContext	biom:ContextID
17.995-B	ASP	itl:PackageIrisImageRecord/biom:AssociatedContext	biom:ImageSegmentID
17.996	HAS	itl:PackageIrisImageRecord	biom:ImageHashValue
17.997	SOR	itl:PackageIrisImageRecord	biom:SourceInformation
17.997-A	SRN	itl:PackageIrisImageRecord/biom:SourceInformation	biom:SourceID
17.997-B	RSP	itl:PackageIrisImageRecord/biom:SourceInformation	biom:ImageSegmentID
17.998	GEO	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
17.998-A	UTE	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
17.998-B	LTD	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
17.998-C	LTM	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
17.998-D	LTS	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue

## Type-17 Iris Image Record

Field ID	Field Name	XML Parent	NIEM Element
17.998-E	LGD	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
17.998-F	LGM	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
17.998-G	LGS	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
17.998-H	ELE	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
17.998-I	GDC	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
17.998-J-L	UTM	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
17.998-M	GRT	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
17.998-N	OSI	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
17.998-O	OCV	itl:PackageIrisImageRecord/biom:IrisImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
17.999	DATA	itl:PackageIrisImageRecord	nc:Base64BinaryObject

## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.002	IDC	itl:PackageDNARecord	biom:ImageReferenceID
18.003	DLS	itl:PackageDNARecord/biom:DNASample	biom:DNALaboratory
18.003-A	UTY	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	biom:DNALaboratoryUnitCategoryCode
18.003-B	LTY	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	biom:DNALaboratoryCategoryCode
18.003-C	ACC	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	biom:DNALaboratoryAccreditation
18.003-Ca		itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory/ biom:DNALaboratoryAccreditation	biom:DNALaboratoryAccreditationLevelCode
18.003-Cb		itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory/ biom:DNALaboratoryAccreditation	biom:DNALaboratoryAccreditationScopeCode
18.003-D	NOO	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	nc:OrganizationName
18.003-E	POC	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	nc:OrganizationPrimaryContactInformation/ nc:ContactInformationDescriptionText
18.003-F	CSC	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	biom:DNALaboratoryProcessingCountry
18.003-G	ION	itl:PackageDNARecord/biom:DNASample/biom:DNALaboratory	biom:DNALaboratoryInternationalOrganizationName
18.004	SRC	itl:PackageDNARecord/biom:DNASample/biom:BiometricCapture/ biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
18.005	NAL	itl:PackageDNARecord/biom:DNASample	biom:DNAAnalysisQuantityCode
18.006	SDI	itl:PackageDNARecord/biom:DNASample	biom:DNADonor
18.006-A	DSD	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	biom:DNADonorCategoryCode
18.006-B	GID	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	nc:PersonSexText
18.006-C	DLC	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	biom:DNADonorLastContactDate/nc:Date
18.006-D	DOB	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	nc:PersonBirthDate/nc:Date
18.006-E	EGP	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	nc:PersonEthnicityText

## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.006-F	DRA	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	biom:DNADonorDentalRecordsAvailableCode
18.006-G	LLC	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	biom:DNADonorCollectionLocationDescriptionText
18.006-H	SDS	itl:PackageDNARecord/biom:DNASample/biom:DNADonor	biom:DNADonorStatusCode
18.007	COPR	itl:PackageDNARecord/biom:DNASample	biom:DNAClaimedRelationshipCode
18.008	VRS	itl:PackageDNARecord/biom:DNASample	biom:DNAValidatedRelationshipCode
18.009	PED	itl:PackageDNARecord/biom:DNASample	biom:DNAPedigree
18.009-A	PID	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeID
18.009-B	PMI	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeMemberIndexNumeric
18.009-C	PMS	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeMemberStatusCode
18.009-D	SID	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeSampleID
18.009-E	FID	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeFatherIndexNumeric
18.009-F	MID	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeMotherIndexNumeric
18.009-G	PCM	itl:PackageDNARecord/biom:DNASample/biom:DNAPedigree	biom:DNAPedigreeCommentText
18.010	STY	itl:PackageDNARecord/biom:DNASample	biom:DNASampleOrigin
18.010-A	SCT	itl:PackageDNARecord/biom:DNASample/biom:DNASampleOrigin	biom:DNACellularCategoryCode
18.010-B	SMO	itl:PackageDNARecord/biom:DNASample/biom:DNASampleOrigin	biom:DNASampleOriginCode
18.011	STI	itl:PackageDNARecord/biom:DNASample	biom:DNATypingTechnologyCategoryCode
18.012	SCM	itl:PackageDNARecord/biom:DNASample	biom:DNASampleCollectionMethodText
18.013	SCD	itl:PackageDNARecord/biom:DNASample/biom:BiometricCapture	biom:CaptureDate/nc:Date
18.014	PSD	itl:PackageDNARecord/biom:DNASample	biom:DNAProfileStorageDate/nc:Date
18.015	DPD	itl:PackageDNARecord/biom:DNASample	biom:DNAProfile

## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.015-A	PTP	itl:PackageDNARecord/biom:DNASample/biom:DNAProfile	biom:DNAProfileCategoryCode
18.015-B	RES	itl:PackageDNARecord/biom:DNASample/biom:DNAProfile	biom:DNAProfileResultCode
18.015-C	PRF	itl:PackageDNARecord/biom:DNASample/biom:DNAProfile	biom:DNAProfileID
18.015-D	SUP	itl:PackageDNARecord/biom:DNASample/biom:DNAProfile	biom:DNAProfileSupplementalText
18.015-E	DPC	itl:PackageDNARecord/biom:DNASample/biom:DNAProfile	biom:DNAProfileCommentText
18.016	STR	itl:PackageDNARecord/biom:DNASample	biom:DNASTRProfile
18.016-A	DST	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNASTRProfileCategoryCode
18.016-B	DLR	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNALocusReferenceID
18.016-C	ALL	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAAlleleIndicator
18.016-D	LAI	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNALocusAnalysisIndicator
18.016-E	PCDT	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAPreciseCallIndicator
18.016-F	AL1	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAAlleleCall1Text
18.016-G	AL2	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAAlleleCall2Text
18.016-H	AL3	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAAlleleCall3Text
18.016-I	BID	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNABatchID
18.016-J	ECR	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAElectropherogramID
18.016-K	LCR	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile	biom:DNAElectropherogramLadderID
18.016-L	KID	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile/biom:DNAKit	biom:DNAKitReferenceID
18.016-M	KNM	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile/biom:DNAKit	biom:DNAKitName
18.016-N	KMF	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile/biom:DNAKit	biom:DNAKitManufacturerName
18.016-O	KDS	itl:PackageDNARecord/biom:DNASample/biom:DNASTRProfile/biom:DNAKit	biom:DNAKitDescriptionText

## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.017	DMD	itl:PackageDNARecord/biom:DNASample	biom:DNAMitochondrialData
18.017-A	MT1	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoControlRegion1Text
18.017-B	MT2	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoControlRegion2Text
18.017-C	BSP	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseStartNumeric
18.017-D	BEP	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseEndNumeric
18.017-E	BCA	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseAdenineQuantity
18.017-F	BCG	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseGuanineQuantity
18.017-G	BCC	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseCytosineQuantity
18.017-H	BCT	itl:PackageDNARecord/biom:DNASample/biom:DNAMitochondrialData	biom:DNAMitoBaseThymineQuantity
18.018	UDP	itl:PackageDNARecord/biom:DNASample	biom:DNAUserDefinedProfileAbstract
18.019	EPD	itl:PackageDNARecord/biom:DNASample	biom:DNAElectropherogram
18.019-A	EIR	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogram	biom:DNAElectropherogramID
18.019-B	EST	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogram	biom:DNAElectropherogramFileStorageText
18.019-C	IDD	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogram	biom:DNAElectropherogramDataDescriptionText
18.019-D	ELPD	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogram	biom:DNAElectropherogramBinaryObject
18.019-E	EPS	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogram	biom:DNAElectropherogramScreenshotImage/nc:Base64BinaryObject
18.020	DGD	itl:PackageDNARecord/biom:DNASample	biom:DNAGenotypeDistributionCode
18.021	GAP	itl:PackageDNARecord/biom:DNASample	biom:DNAGenotypeAllelePair
18.021-A	GLR	itl:PackageDNARecord/biom:DNASample/biom:DNAGenotypeAllelePair	biom:DNALocusReferenceID
18.021-B	ALP	itl:PackageDNARecord/biom:DNASample/biom:DNAGenotypeAllelePair	biom:DNAGenotypeAllelePairText
18.021-C	GNW	itl:PackageDNARecord/biom:DNASample/biom:DNAGenotypeAllelePair	biom:DNALocusGenotypeProbabilityValue



## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.022	COM	itl:PackageDNARecord/biom:DNASample	biom:DNACommentText
18.023	EPL	itl:PackageDNARecord/biom:DNASample	biom:DNAElectropherogramLadder
18.023-A	LIR	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogramLadder	biom:DNAElectropherogramID
18.023-B	LST	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogramLadder	biom:DNAElectropherogramFileStorageText
18.023-C	LDD	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogramLadder	biom:DNAElectropherogramDataDescriptionText
18.023-D	LEPD	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogramLadder	biom:DNAElectropherogramBinaryObject
18.023-E	LES	itl:PackageDNARecord/biom:DNASample/biom:DNAElectropherogramLadder	biom:DNAElectropherogramScreenshotImage/nc:Base64BinaryObject
18.200 to 18.900	UDF	itl:PackageDNARecord	itl:UserDefinedFields
18.902	ANN	itl:PackageDNARecord	biom:ProcessAnnotation
18.902-A	GMT	itl:PackageDNARecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
18.902-B	NAV	itl:PackageDNARecord/biom:ProcessAnnotation	biom:ProcessName
18.902-C	OWN	itl:PackageDNARecord/biom:ProcessAnnotation	biom:ProcessOwnerText
18.902-D	PRO	itl:PackageDNARecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
18.992	T2C	itl:PackageDNARecord	biom:Type2CrossReferenceID
18.993	SAN	itl:PackageDNARecord/biom:DNASample/biom:BiometricCapture/ biom:CaptureOrganization	nc:OrganizationName
18.995	ASC	itl:PackageDNARecord	biom:AssociatedContext
18.995-A	ACN	itl:PackageDNARecord/biom:AssociatedContext	biom:ContextID
18.995-B	ASP	itl:PackageDNARecord/biom:AssociatedContext	biom:ImageSegmentID
18.998	GEO	itl:PackageDNARecord/biom:DNASample/biom:BiometricCapture	biom:GeographicSampleAcquisitionLocation
18.998-A	UTE	itl:PackageDNARecord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime

## Type-18 DNA Record

Field ID	Field Name	XML Parent	NIEM Element
18.998-B	LTD	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
18.998-C	LTM	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
18.998-D	LTS	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
18.998-E	LGD	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
18.998-F	LGM	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
18.998-G	LGS	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
18.998-H	ELE	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
18.998-I	GDC	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
18.998-J-L	UTM	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
18.998-M	GRT	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
18.998-N	OSI	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
18.998-O	OCV	itl:PackageDNAREcord/biom:DNASample/biom:BiometricCapture/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText

## Type-19 Plantar Image Record

Field ID	Field Name	XML Parent	NIEM Element
19.002	IDC	itl:PackagePlantarImageRecord	biom:ImageReferenceID
19.003	IMP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	itl:FrictionRidgeImpressionCaptureCode
19.004	SRC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
19.005	PCD	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
19.006	HLL	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:HorizontalLineLengthPixelQuantity
19.007	VLL	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:VerticalLineLengthPixelQuantity
19.008	SLC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageScaleUnitsCode
19.009	THPS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageHorizontalPixelDensityValue
19.010	TVPS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageVerticalPixelDensityValue
19.011	CGA	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageCompressionAlgorithmCode
19.012	BPX	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageBitsPerPixelQuantity
19.013	FGP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:PlantarPositionCode
19.016	SHPS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
19.017	SVPS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
19.018	AMP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:PlantarImageMissingArea
19.018-A	FRAP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageMissingArea	biom:PlantarPositionCode
19.018-B	ABC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageMissingArea	biom:PlantarMissingAreaReasonCode
19.019	FSP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:PlantarImageSegmentToePositionPolygon
19.019-A	FRSP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon	biom:PlantarPositionCode

## Type-19 Plantar Image Record

Field ID	Field Name	XML Parent	NIEM Element
19.019-B	NOP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon	biom:PositionPolygonVertexQuantity
19.019-C-D	POL	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon	biom:PositionPolygonVertex
19.019-C	HPO	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
19.019-D	VPO	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:PlantarImageSegmentToePositionPolygon/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
19.020	COM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:ImageCommentText
19.021	SEG	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:FrictionRidgeImageSegmentPositionSquare
19.021-A	FRSP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:PlantarPositionCode
19.021-B	LHC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentLeftHorizontalCoordinateValue
19.021-C	RHC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentRightHorizontalCoordinateValue
19.021-D	TVC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentTopVerticalCoordinateValue
19.021-E	BVC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:FrictionRidgeImageSegmentPositionSquare	biom:SegmentBottomVerticalCoordinateValue
19.024	FQM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:PlantarImageQuality
19.024-A	FRMP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:PlantarImageQuality	biom:PlantarPositionCode
19.024-B	QVU	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:PlantarImageQuality	biom:QualityValue
19.024-C	QAV	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:PlantarImageQuality	biom:QualityAlgorithmVendorID
19.024-D	QAP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:PlantarImageQuality	biom:QualityAlgorithmProductID
19.030	DMM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail	biom:CaptureDeviceMonitoringModeCode

## Type-19 Plantar Image Record

Field ID	Field Name	XML Parent	NIEM Element
19.031	TAP	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:PlantarImageAcquisitionProfileCode
19.046	SUB	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:SubjectExistentialDetails
19.046-A	SSC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
19.046-B	SBSC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode
19.046-C	SBCC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
19.047	CON	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationUnitName
19.200 to 19.900	UDF	itl:PackagePlantarImageRecord	itl:UserDefinedFields
19.901	FCT	itl:PackagePlantarImageRecord/biom:PlantarImageDetail	biom:FrictionRidgeCaptureTechnologyCode
19.902	ANN	itl:PackagePlantarImageRecord	biom:ProcessAnnotation
19.902-A	GMT	itl:PackagePlantarImageRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
19.902-B	NAV	itl:PackagePlantarImageRecord/biom:ProcessAnnotation	biom:ProcessName
19.902-C	OWN	itl:PackagePlantarImageRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
19.902-D	PRO	itl:PackagePlantarImageRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
19.903	DUI	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceID
19.904-A	MAK	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceMakeText
19.904-B	MOD	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceModelText
19.904-C	SER	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureDevice	biom:DeviceSerialNumberText

## Type-19 Plantar Image Record

Field ID	Field Name	XML Parent	NIEM Element
19.993	SAN	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:CaptureOrganization	nc:OrganizationName
19.994	EFR	itl:PackagePlantarImageRecord	biom:SourceExternalFileReferenceText
19.995	ASC	itl:PackagePlantarImageRecord	biom:AssociatedContext
19.995-A	ACN	itl:PackagePlantarImageRecord/biom:AssociatedContext	biom:ContextID
19.995-B	ASP	itl:PackagePlantarImageRecord/biom:AssociatedContext	biom:ImageSegmentID
19.996	HAS	itl:PackagePlantarImageRecord	biom:ImageHashValue
19.997	SOR	itl:PackagePlantarImageRecord	biom:SourceInformation
19.997-A	SRN	itl:PackagePlantarImageRecord/biom:SourceInformation	biom:SourceID
19.997-B	RSP	itl:PackagePlantarImageRecord/biom:SourceInformation	biom:ImageSegmentID
19.998	GEO	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
19.998-A	UTE	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
19.998-B	LTD	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
19.998-C	LTM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
19.998-D	LTS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
19.998-E	LGD	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
19.998-F	LGM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue

## Type-19 Plantar Image Record

Field ID	Field Name	XML Parent	NIEM Element
19.998-G	LGS	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate/ nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
19.998-H	ELE	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
19.998-I	GDC	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation/nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
19.998-J-L	UTM	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
19.998-M	GRT	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
19.998-N	OSI	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
19.998-O	OCV	itl:PackagePlantarImageRecord/biom:PlantarImageDetail/biom:ImageCaptureDetail/ biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
19.999	DATA	itl:PackagePlantarImageRecord	nc:Base64BinaryObject

## Type-20 Source Representation Record

Field ID	Field Name	XML Parent	NIEM Element
20.002	IDC	itl:PackageSourceRepresentationRecord	biom:ImageReferenceID
20.003	CAR	itl:PackageSourceRepresentationRecord	biom:SourceRecordCardinalityCode
20.004	SRC	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
20.005	SRD	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
20.006	HLL	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:HorizontalLineLengthPixelQuantity
20.007	VLL	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:VerticalLineLengthPixelQuantity
20.008	SLC	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageScaleUnitsCode
20.009	THPS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageHorizontalPixelDensityValue
20.010	TVPS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageVerticalPixelDensityValue
20.011	CGA	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageCompressionAlgorithmCode
20.012	BPX	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageBitsPerPixelQuantity
20.013	CSP	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageColorSpaceCode
20.014	AQS	itl:PackageSourceRepresentationRecord	biom:SourceAcquisition
20.014-A	AQT	itl:PackageSourceRepresentationRecord/biom:SourceAcquisition	biom:AcquisitionSourceCode
20.014-B	A2D	itl:PackageSourceRepresentationRecord/biom:SourceAcquisition	biom:AcquisitionDigitalConversionDescriptionText
20.014-C	FDN	itl:PackageSourceRepresentationRecord/biom:SourceAcquisition	biom:AcquisitionRadioTransmissionFormatDescriptionText
20.014-D	AQSC	itl:PackageSourceRepresentationRecord/biom:SourceAcquisition	biom:AcquisitionSpecialCharacteristicsText
20.015	SFT	itl:PackageSourceRepresentationRecord	biom:SourceFileFormat
20.015-A	FTY	itl:PackageSourceRepresentationRecord/biom:SourceFileFormat	biom:SourceFileCategoryText
20.015-B	DEI	itl:PackageSourceRepresentationRecord/biom:SourceFileFormat	biom:SourceFileDecodingInstructionsText



## Type-20 Source Representation Record

Field ID	Field Name	XML Parent	NIEM Element
20.016	SEG	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:ImageSegment
20.016-A	RSP	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment	biom:ImageSegmentID
20.016-B	IPT	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment	biom:ImageSegmentInternalFileLocationText
20.016-C	NOP	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment	biom:PositionPolygonVertexQuantity
20.016-D-E	POL	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment	biom:PositionPolygonVertex
20.016-D	HPO	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment/biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue
20.016-E	VPO	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageSegment/biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
20.017	SHPS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail	biom:CaptureHorizontalPixelDensityValue
20.018	SVPS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail	biom:CaptureVerticalPixelDensityValue
20.019	TIX	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail	biom:TimeSegment
20.019-A	TIS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:TimeSegment	biom:TimeSegmentStartTime
20.019-B	TIE	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:TimeSegment	biom:TimeSegmentEndTime
20.020	COM	itl:PackageSourceRepresentationRecord	biom:SourceCommentText
20.021	SRN	itl:PackageSourceRepresentationRecord	biom:SourceID
20.022	ICDR	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail	biom:CaptureDateEstimateRangeDuration
20.100 to 20.900	UDF	itl:PackageSourceRepresentationRecord	itl:UserDefinedFields

## Type-20 Source Representation Record

Field ID	Field Name	XML Parent	NIEM Element
20.902	ANN	itl:PackageSourceRepresentationRecord	biom:ProcessAnnotation
20.902-A	GMT	itl:PackageSourceRepresentationRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
20.902-B	NAV	itl:PackageSourceRepresentationRecord/biom:ProcessAnnotation	biom:ProcessName
20.902-C	OWN	itl:PackageSourceRepresentationRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
20.902-D	PRO	itl:PackageSourceRepresentationRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
20.903	DUI	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
20.904-A	MAK	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText
20.904-B	MOD	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
20.904-C	SER	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
20.993	SAN	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
20.994	EFR	itl:PackageSourceRepresentationRecord	biom:SourceExternalFileReferenceText
20.995	ASC	itl:PackageSourceRepresentationRecord	biom:AssociatedContext
20.995-A	ACN	itl:PackageSourceRepresentationRecord/biom:AssociatedContext	biom:ContextID
20.995-B	ASP	itl:PackageSourceRepresentationRecord/biom:AssociatedContext	biom:ImageSegmentID
20.996	HAS	itl:PackageSourceRepresentationRecord	biom:ImageHashValue
20.998	GEO	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
20.998-A	UTE	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime

## Type-20 Source Representation Record

Field ID	Field Name	XML Parent	NIEM Element
20.998-B	LTD	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
20.998-C	LTM	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
20.998-D	LTS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
20.998-E	LGD	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
20.998-F	LGM	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
20.998-G	LGS	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
20.998-H	ELE	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
20.998-I	GDC	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
20.998-J-L	UTM	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
20.998-M	GRT	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
20.998-N	OSI	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
20.998-O	OCV	itl:PackageSourceRepresentationRecord/biom:SourceMediaDetail/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText

## Type-20 Source Representation Record

Field ID	Field Name	XML Parent	NIEM Element
20.999	DATA	itl:PackageSourceRepresentationRecord	nc:Base64BinaryObject

## Type-21 Associated Context Record

Field ID	Field Name	XML Parent	NIEM Element
21.002	IDC	itl:PackageAssociatedContextRecord	biom:ImageReferenceID
21.004	SRC	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
21.005	ACD	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture	biom:CaptureDate/nc:Date
21.006	MDI	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail	biom:MedicalDevice
21.006-A	TYP	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceCategoryText
21.006-B	MFG	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceManufacturerText
21.006-C	MAK	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceMakeText
21.006-D	MOD	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceModelText
21.006-E	SER	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceSerialNumberText
21.006-F	COM	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:MedicalDevice	biom:DeviceDescriptionText
21.015	AFT	itl:PackageAssociatedContextRecord	biom:ContextFileFormat
21.015-A	FTY	itl:PackageAssociatedContextRecord/biom:ContextFileFormat	biom:ContextFileCategoryText
21.015-B	DEI	itl:PackageAssociatedContextRecord/biom:ContextFileFormat	biom:ContextFileDecodingInstructionsText
21.016	SEG	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail	biom:ImageSegment
21.016-A	ASP	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment	biom:ImageSegmentID
21.016-B	IPT	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment	biom:ImageSegmentInternalFileLocationText
21.016-C	NOP	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment	biom:PositionPolygonVertexQuantity
21.016-D-E	PPV	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment	biom:PositionPolygonVertex
21.016-D	HPO	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment/ biom:PositionPolygonVertex	biom:PositionHorizontalCoordinateValue

## Type-21 Associated Context Record

Field ID	Field Name	XML Parent	NIEM Element
21.016-E	VPO	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:ImageSegment/ biom:PositionPolygonVertex	biom:PositionVerticalCoordinateValue
21.019	TIX	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail	biom:TimeSegment
21.019-A	TIS	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:TimeSegment	biom:TimeSegmentStartTime
21.019-B	TIE	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/biom:TimeSegment	biom:TimeSegmentEndTime
21.020	COM	itl:PackageAssociatedContextRecord	biom:ContextCommentText
21.021	ACN	itl:PackageAssociatedContextRecord	biom:ContextID
21.022	ICDR	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture	biom:CaptureDateEstimateRangeDuration
21.046	SUB	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail	biom:SubjectExistentialDetails
21.046-A	SSC	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
21.046-B	SBSC	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode
21.046-C	SBCC	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
21.047	CON	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationUnitName
21.100 to 21.900	UDF	itl:PackageAssociatedContextRecord	itl:UserDefinedFields
21.902	ANN	itl:PackageAssociatedContextRecord	biom:ProcessAnnotation
21.902-A	GMT	itl:PackageAssociatedContextRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
21.902-B	NAV	itl:PackageAssociatedContextRecord/biom:ProcessAnnotation	biom:ProcessName
21.902-C	OWN	itl:PackageAssociatedContextRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
21.902-D	PRO	itl:PackageAssociatedContextRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText

## Type-21 Associated Context Record

Field ID	Field Name	XML Parent	NIEM Element
21.993	SAN	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationName
21.994	EFR	itl:PackageAssociatedContextRecord	biom:SourceExternalFileReferenceText
21.996	HAS	itl:PackageAssociatedContextRecord	biom:ImageHashValue
21.998	GEO	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture	biom:GeographicSampleAcquisitionLocation
21.998-A	UTE	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
21.998-B	LTD	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
21.998-C	LTM	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
21.998-D	LTS	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
21.998-E	LGD	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
21.998-F	LGM	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
21.998-G	LGS	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
21.998-H	ELE	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
21.998-I	GDC	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode

## Type-21 Associated Context Record

Field ID	Field Name	XML Parent	NIEM Element
21.998-J-L	UTM	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
21.998-M	GRT	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
21.998-N	OSI	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
21.998-O	OCV	itl:PackageAssociatedContextRecord/biom:ContextMediaDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
21.999	DATA	itl:PackageAssociatedContextRecord	nc:Base64BinaryObject



## Type-22 Non Photographic Imagery Record

Field ID	Field Name	XML Parent	NIEM Element
22.002	IDC	itl:PackageNonPhotographicImageryRecord	biom:ImageReferenceID
22.003	ICD	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture	biom:CaptureDate/nc:Date
22.004	SRC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
22.005	ICDR	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture	biom:CaptureDateEstimateRangeDuration
22.006	BIC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:ImageCategoryCode
22.020	COM	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:NonPhotographicImageryCommentText
22.046	SUB	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:SubjectExistentialDetails
22.046-A	SSC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails	biom:SubjectExistentialStatusCode
22.046-B	SBSC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyStatusCode
22.046-C	SBCC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:SubjectExistentialDetails	biom:SubjectBodyClassCode
22.047	CON	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationUnitName
22.101	ITYP	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:NonPhotographicImageCategoryCode
22.102	IFMT	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:NonPhotographicImageFormatCode
22.103	DRID	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail	biom:DentalRadiographImageInformation
22.103-A	RGS	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation	biom:RadiographSizeText
22.103-B	RIS	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation	biom:RadiographImageSeriesCodeText
22.103-C	RIIS	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation	biom:RadiographImageSeriesText

## Type-22 Non Photographic Imagery Record

Field ID	Field Name	XML Parent	NIEM Element
22.103-D	RIIT	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:DentalRadiographImageInformation	biom:RadiographImageInformationText
22.200 to 22.900	UDF	itl:PackageNonPhotographicImageryRecord	itl:UserDefinedFields
22.902	ANN	itl:PackageNonPhotographicImageryRecord	biom:ProcessAnnotation
22.902-A	GMT	itl:PackageNonPhotographicImageryRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
22.902-B	NAV	itl:PackageNonPhotographicImageryRecord/biom:ProcessAnnotation	biom:ProcessName
22.902-C	OWN	itl:PackageNonPhotographicImageryRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
22.902-D	PRO	itl:PackageNonPhotographicImageryRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
22.903	DUI	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureDevice	biom:DeviceID
22.904-A	MAK	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureDevice	biom:DeviceMakeText
22.904-B	MOD	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureDevice	biom:DeviceModelText
22.904-C	SER	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureDevice	biom:DeviceSerialNumberText
22.992	T2C	itl:PackageNonPhotographicImageryRecord	biom:Type2CrossReferenceID
22.993	SAN	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:CaptureOrganization	nc:OrganizationName
22.994	EFR	itl:PackageNonPhotographicImageryRecord	biom:SourceExternalFileReferenceText
22.995	ASC	itl:PackageNonPhotographicImageryRecord	biom:AssociatedContext
22.995-A	ACN	itl:PackageNonPhotographicImageryRecord/biom:AssociatedContext	biom:ContextID
22.995-B	ASP	itl:PackageNonPhotographicImageryRecord/biom:AssociatedContext	biom:ImageSegmentID
22.996	HAS	itl:PackageNonPhotographicImageryRecord	biom:ImageHashValue

## Type-22 Non Photographic Imagery Record

Field ID	Field Name	XML Parent	NIEM Element
22.997	SOR	itl:PackageNonPhotographicImageryRecord	biom:SourceInformation
22.997-A	SRN	itl:PackageNonPhotographicImageryRecord/biom:SourceInformation	biom:SourceID
22.997-B	RSP	itl:PackageNonPhotographicImageryRecord/biom:SourceInformation	biom:ImageSegmentID
22.998	GEO	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture	biom:GeographicSampleAcquisitionLocation
22.998-A	UTE	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
22.998-B	LTD	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
22.998-C	LTM	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
22.998-D	LTS	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
22.998-E	LGD	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue
22.998-F	LGM	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
22.998-G	LGS	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
22.998-H	ELE	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
22.998-I	GDC	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode

## Type-22 Non Photographic Imagery Record

Field ID	Field Name	XML Parent	NIEM Element
22.998-J-L	UTM	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
22.998-M	GRT	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
22.998-N	OSI	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
22.998-O	OCV	itl:PackageNonPhotographicImageryRecord/biom:NonPhotographicImageryDetail/ biom:BiometricCapture/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
22.999	DATA	itl:PackageNonPhotographicImageryRecord	nc:Base64BinaryObject

## Type-98 Information Assurance Record

Field ID	Field Name	XML Parent	NIEM Element
98.002	IDC	itl:PackageInformationAssuranceRecord	biom:ImageReferenceID
98.003	DFO	itl:PackageInformationAssuranceRecord	biom:AssuranceFormatOwnerID
98.004	SRC	itl:PackageInformationAssuranceRecord/biom:AssuranceOrganization	nc:OrganizationIdentification/nc:IdentificationID
98.005	DFT	itl:PackageInformationAssuranceRecord	biom:AssuranceFormatDescriptorText
98.006	DCD	itl:PackageInformationAssuranceRecord	biom:AssuranceUTCDateTime
98.200 to 98.899	UDF	itl:PackageInformationAssuranceRecord	itl:UserDefinedFields
98.900	ALF	itl:PackageInformationAssuranceRecord	biom:AssuranceLogEntry
98.900-A	EVT	itl:PackageInformationAssuranceRecord/biom:AssuranceLogEntry	biom:AssuranceLogEventCode
98.900-B	EVR	itl:PackageInformationAssuranceRecord/biom:AssuranceLogEntry	biom:AssuranceLogEventReasonText
98.900-C	IID	itl:PackageInformationAssuranceRecord/biom:AssuranceLogEntry	biom:AssuranceLogEventLocationText
98.900-D	AGT	itl:PackageInformationAssuranceRecord/biom:AssuranceLogEntry	biom:AssuranceLogAgentText
98.900-E	OLD	itl:PackageInformationAssuranceRecord/biom:AssuranceLogEntry	biom:AssuranceLogEventOriginalValueText
98.901	ARN	itl:PackageInformationAssuranceRecord	biom:AssuranceAuditRevisionID
98.993	SAN	itl:PackageInformationAssuranceRecord/biom:AssuranceOrganization	nc:OrganizationName

## Type-99 CDEFF Biometric Data Record

Field ID	Field Name	XML Parent	NIEM Element
99.002	IDC	itl:PackageCBEFFBiometricDataRecord	biom:ImageReferenceID
99.004	SRC	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationIdentification/nc:IdentificationID
99.005	BCD	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/biom:ImageCaptureDetail	biom:CaptureDate/nc:Date
99.100	HDV	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	biom:CBEFFVersionID
99.101	BTY	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	biom:CBEFFCategoryCode
99.102	BDQ	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	biom:ImageQuality
99.102-A	QVU	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/biom:ImageQuality	biom:QualityValue
99.102-B	QAV	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/biom:ImageQuality	biom:QualityAlgorithmVendorID
99.102-C	QAP	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/biom:ImageQuality	biom:QualityAlgorithmProductID
99.103	BFO	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	biom:CBEFFFormatOwnerID
99.104	BFT	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	biom:CBEFFFormatCategoryID
99.200 to 99.900	UDF	itl:PackageCBEFFBiometricDataRecord	itl:UserDefinedFields
99.902	ANN	itl:PackageCBEFFBiometricDataRecord	biom:ProcessAnnotation
99.902-A	GMT	itl:PackageCBEFFBiometricDataRecord/biom:ProcessAnnotation	biom:ProcessUTCDate/nc:DateTime
99.902-B	NAV	itl:PackageCBEFFBiometricDataRecord/biom:ProcessAnnotation	biom:ProcessName
99.902-C	OWN	itl:PackageCBEFFBiometricDataRecord/biom:ProcessAnnotation	biom:ProcessOwnerText
99.902-D	PRO	itl:PackageCBEFFBiometricDataRecord/biom:ProcessAnnotation	biom:ProcessDescriptionText
99.903	DUI	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceID
99.904-A	MAK	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceMakeText

## Type-99 CDEFF Biometric Data Record

Field ID	Field Name	XML Parent	NIEM Element
99.904-B	MOD	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceModelText
99.904-C	SER	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureDevice	biom:DeviceSerialNumberText
99.993	SAN	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:CaptureOrganization	nc:OrganizationName
99.995	ASC	itl:PackageCBEFFBiometricDataRecord	biom:AssociatedContext
99.995-A	ACN	itl:PackageCBEFFBiometricDataRecord/biom:AssociatedContext	biom:ContextID
99.995-B	ASP	itl:PackageCBEFFBiometricDataRecord/biom:AssociatedContext	biom:ImageSegmentID
99.996	HAS	itl:PackageCBEFFBiometricDataRecord	biom:ImageHashValue
99.997	SOR	itl:PackageCBEFFBiometricDataRecord	biom:SourceInformation
99.997-A	SRN	itl:PackageCBEFFBiometricDataRecord/biom:SourceInformation	biom:SourceID
99.997-B	RSP	itl:PackageCBEFFBiometricDataRecord/biom:SourceInformation	biom:ImageSegmentID
99.998	GEO	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/biom:ImageCaptureDetail	biom:GeographicSampleAcquisitionLocation
99.998-A	UTE	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:CaptureUTCDateTime
99.998-B	LTD	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeDegreeValue
99.998-C	LTM	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeMinuteValue
99.998-D	LTS	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLatitude	nc:LatitudeSecondValue
99.998-E	LGD	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeDegreeValue

## Type-99 CDEFF Biometric Data Record

Field ID	Field Name	XML Parent	NIEM Element
99.998-F	LGM	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeMinuteValue
99.998-G	LGS	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate/nc:GeographicCoordinateLongitude	nc:LongitudeSecondValue
99.998-H	ELE	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	nc:LocationElevation/nc:MeasureDecimalValue
99.998-I	GDC	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation/ nc:Location3DGeospatialCoordinate	biom:GeodeticDatumCoordinateSystemCode
99.998-J-L	UTM	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationUTMCoordinateValue [mo:MGRSCoordinateStringText]
99.998-M	GRT	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	nc:LocationDescriptionText
99.998-N	OSI	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationSystemName
99.998-O	OCV	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage/ biom:ImageCaptureDetail/biom:GeographicSampleAcquisitionLocation	biom:GeographicLocationText
99.999	DATA	itl:PackageCBEFFBiometricDataRecord/biom:CBEFFImage	nc:Base64BinaryObject